

Detachers

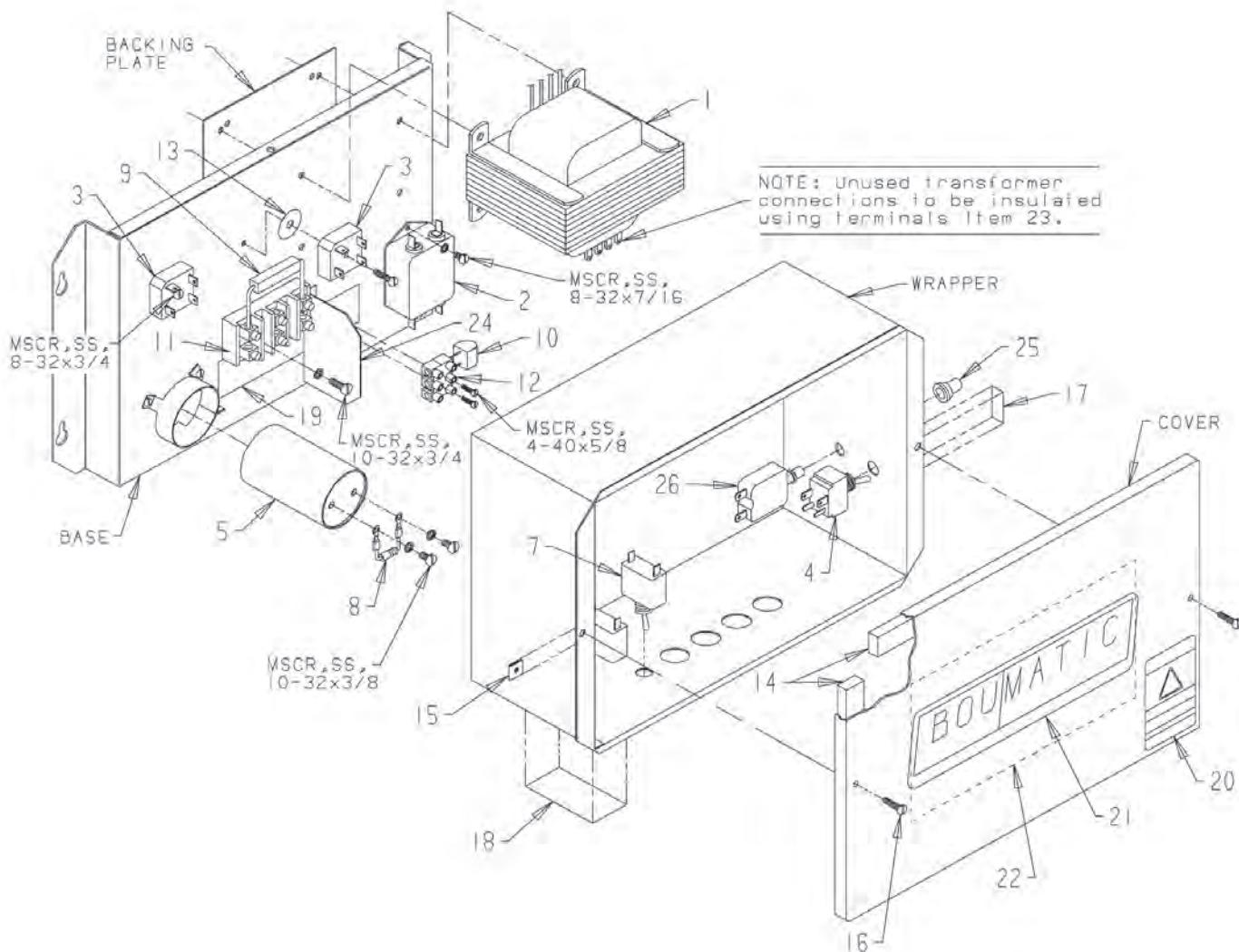
— Contents —

Description	Page
Adapter Assy, 3800.....	46
Air Actuator Assembly, Shutoff	134
AMI 5450/5550	
Control Assembly.....	62
Detacher Assembly.....	63
Flow Sensor.....	62
Backflush Assemblies	
Auto Start Valve Assembly.....	138
Control Assembly Group Backflush	136-137
Time Delay Valve Assembly Group Backflush.....	138
Valve Assembly, Backflush, 3/4	139
Control Assemblies	
2010 - 3420	58-59
2030, 2040.....	123
2045, 2045+, 2045N & 2050.....	122
Claw Drop (Manual & Auto) & Kit	140
SmartDairy.....	121
DC Power Supply, 240W, 24V	147
Detachers	
Companion & Connector Handle.....	68-70
Companion with Indicator Kit	71
Cover Assembly 3000 Series Detachers	41
Cylinder Assemblies Air & Vac.....	124
Model 2000V & VM.....	48-51
Model 2100D & 2100M.....	52-53
Model 2101 & 2101M	54-57
Model 3000, 3200, 3400 & Mounting Hardware	42-43
Model 3800D & 3800M.....	44-45
Model 4000D	35
Model 4200, 4400, 4600.....	36-39
Model 4300	40
Parlor Companion Indicator Kits (MYI)	67
TouchPoint & ViewPoint Assemblies	5-33
Flex Arm Assembly	125
Flow Sensor Assemblies	130
Meter Control Assembly	56
Milk Meter	
Cable Assembly	130
Meter Mounting & Stabilizer Kits	114
Model M Assembly	116-117
Model M+ & Precision Assemblies	115
Perfection Assemblies, Butterfat Sampler	113
Precision XL.....	112
SmartControl Meter Assembly.....	72-75, 78-111
SmartControl Meter Control Assembly	76-77
ParlorMetrix™	
Control Assemblies.....	118
Kits.....	119
Switch Assemblies, Detacher	120

Description	Page
Plug Assembly	60
Power Supply	
12 Unit	3
16 Unit, System 2000	4
Pulse -O-Rater.....	141
PulseMetricx	
Assembly, New Install and Upgrade Kit.....	61
Enclosure Assembly	61
Kit, RF Modem, Enclosure.....	143
Kits.....	144
QuickStart Cylinder.....	126-127
QuickStart Retrofit Kit.....	128
Regulated Power Supply.....	126
Remote/Attach Kits.....	129
SmartConnect,Controller.....	122
SmartLite	
Control Box.....	145
Control Valve	146
Stall Identifier	146
Swing Arm Assembly with Cylinder	66
Tie Stall 5450/5550	
Tie Stall 5450/5550TS Bulkhead Assembly.....	64
Tie Stall 5450/5550TS Detacher Assembly 3" Handle.....	65
Touchscreen	34
Vacuum Switch, TouchPoint	19
Valve Assemblies	
1 & 2 Valve Air Shut Off Assembly	47
2000V Valve Assembly Kit	60
3/4" Pinch Valve Assemby	144
Companion Connector Valve	70
Cylinder Dual Valve Assembly	123
Dual Air Valve Assemblies	135
Dual In Line Air Valve Assembly	35
M2100 Solenoid Valve Assembly.....	130
Milk Sweep Valve Kit	138
Milk Valve Assembly	131
Pinch-off Sensor/Shutoff Assembly	135
Pinch-off Valve Assemblies.....	60
Sensor Shutoff Valve Assembly.....	132-133
Sensor Valve Assembly	131
Shutoff Valve Assembly	131

**12 Unit Power Supply Assembly
Older & Newer Versions**
(Newer Version Shown)

SECTION D	PAGE 3
EFFECTIVE: 7/11/19	



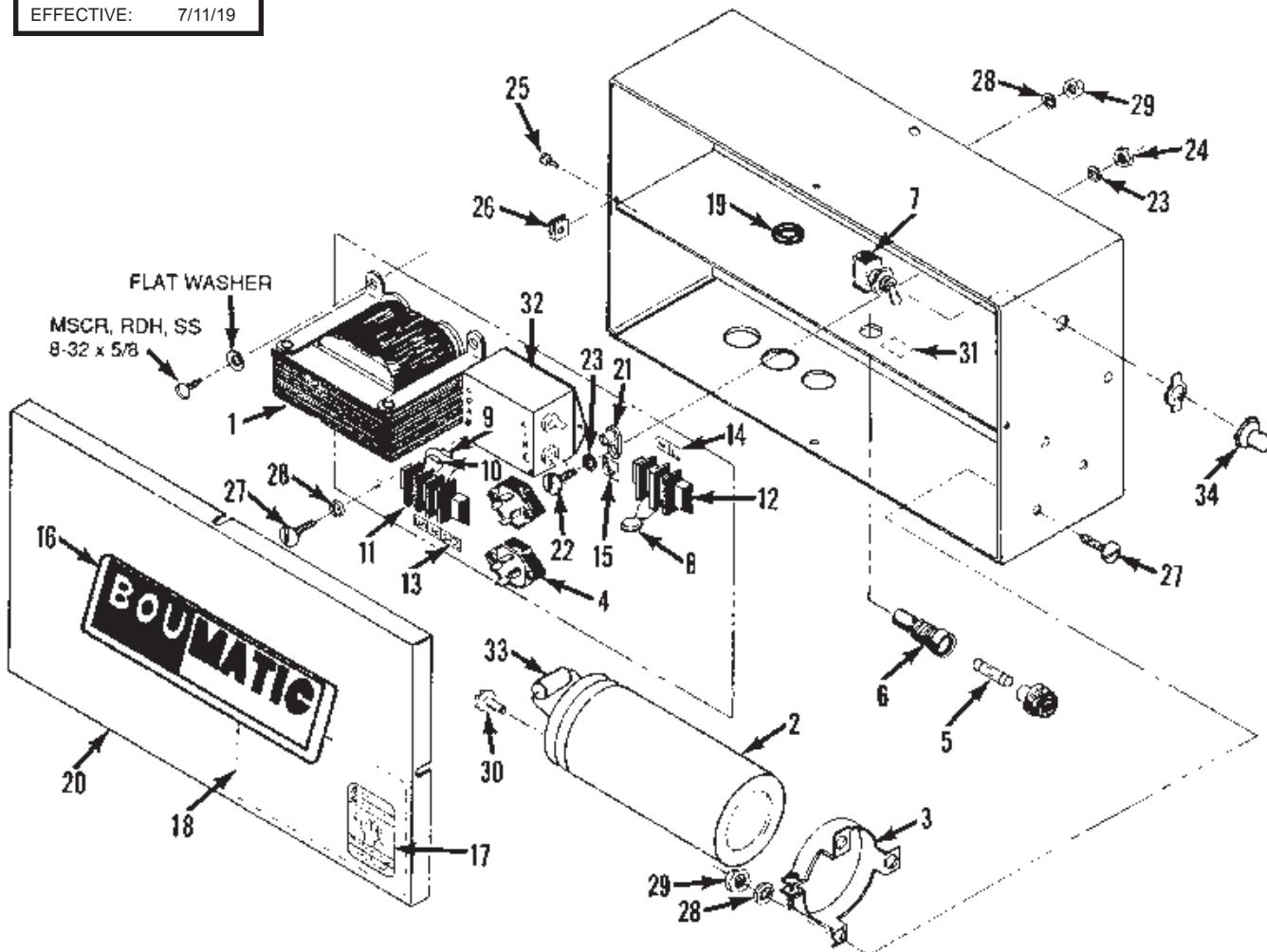
ITEM	PART NO.	∅ = OBSOLETE n/s = NOT SHOWN	DESCRIPTION	QTY REQUIRED (a/r = AS REQUIRED)	
				old	new
1,2	3554142		Power Supply, 12 Unit		
1,2	3554142		Power Supply, 12 Unit		
1	8518567		Xfmr, 200/220/240V	1	1
2	8518547		Filter, EMI, 3A, 115/250V, 50/60 Hz	1	1
3	3552033		Rectifier, Bridge, 400V, 35 Amp	2	2
4	8516824		Switch, Toggle, DPST, On-Off, VDE	1	1
5	8518549		Capacitor, 50000 MFD	1	1
6	3553492	∅	Holder, Fuse, 1-1/4 x 1/4	2	-
7	1931835	n/s	Fuse, 8A, 32V, Slow, 1.25 x .25	2	-
	3556379		Breaker, Ckt, 8A, VDE	-	2
8	8518572		Resistor Assy, 2W, 1.0 K	1	1
9	3554156	∅	Resistor Assy, 2W, 4.7 K	1	-
	1975744		Resistor, WW, 10W, 3K, 5%	-	1
10	1988204	∅	n/s Xient, Varistor, 250 VAC	2	-
	1988213	∅	Xient, Varistor, Gas Discharge	-	1
11	3554155		Block, Terminal, 3-Position	1	1
12	8518548		Block, Terminal, 3-Position (Part no. represents 1 block)	a/r	a/r
13	1939605	∅	Insulator, Semicon, SI, DO-5	2	-
14	8518575		Tape, Foam, Adh, .25 x .50	a/r	a/r
15	3551467		Nut, Speed, SS, #8	2	2

16	1027267	∅	TFSCR, PNH, SS, 8-15 x 3/4	2	2
17	8505777		Label, On-Off, International	1	1
18	8518554	∅	Label, Fuse, 8 Amp	1	-
	3556381		Label, Circuit Breaker, 8 Amp	-	1
19	8518555		Label, Terminal Block	1	1
20	8505774	∅	Label, Caution, Eng/Fr/Gr	1	1
21	8506167		Label, Bou-Matic, 3.0 x 10	1	1
22	8518550	∅	Label, Wiring Diag, Pwr Supply	1	-
	3556402		Label, Wiring Diag, Pwr Supply	-	1
23	8505764	n/s	Term, Disc, Fem, 16-14, 1/4, Full	a/r	a/r
24	3556380		Barrier, Guard	-	1
25	4015960		Seal, Switch, Ckt-Breaker	-	1
26	8516825		Breaker, Ckt, 5A, VDE	-	1
27	- - -		Literature 9P-496 (Installation & Service Instructions)	a/r	a/r

Note:

1. To tell whether power supply is a older or newer version, check and see if a guard (item 24) is mounted to the base of the power supply. If a guard is present it indicates that it is a newer version power supply.
2. 3554142 replaces power supply 3552033.

Power Supply System 2000



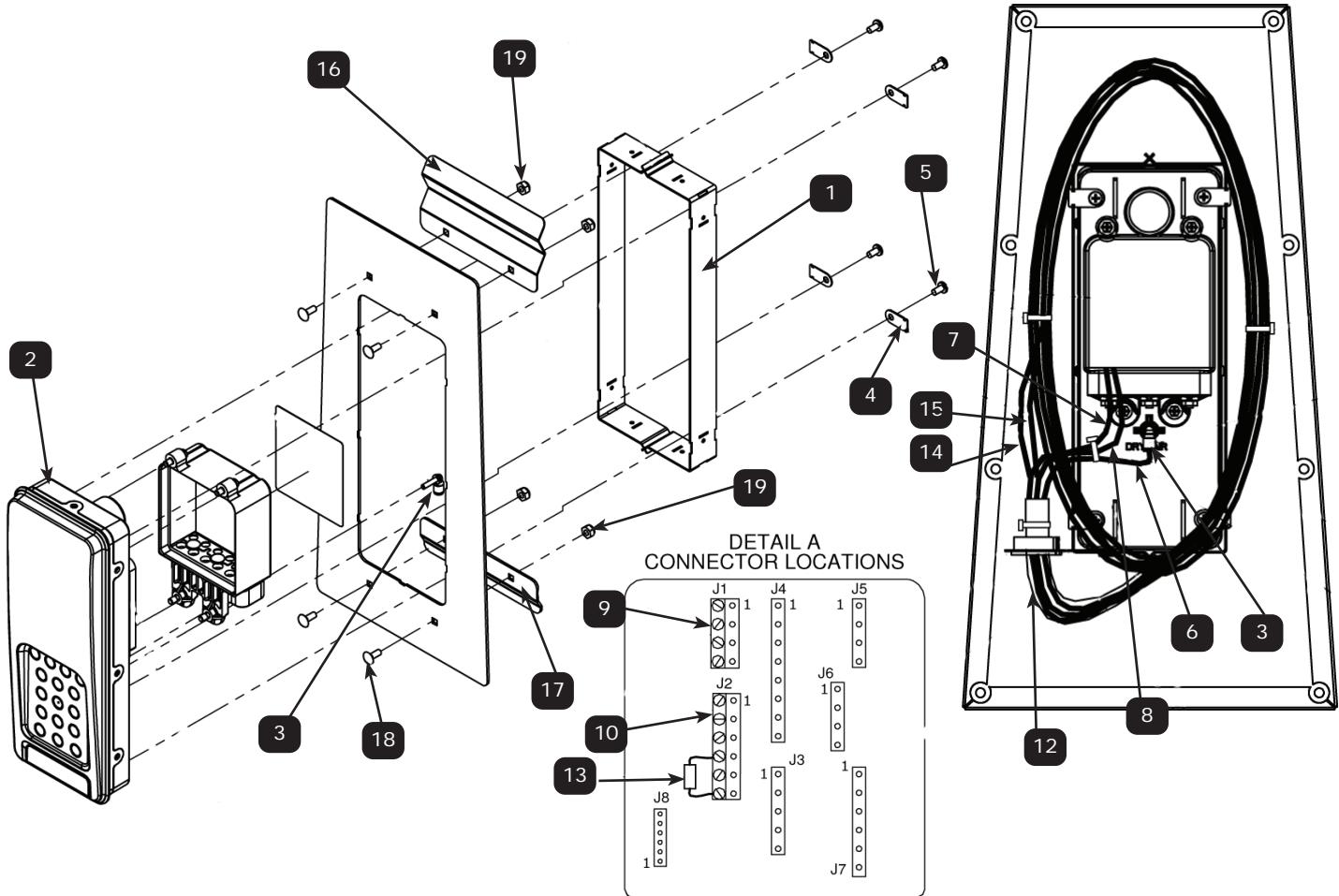
ITEM	PART NO.	DESCRIPTION	QTY REQUIRED (a/r=AS REQUIRED)
	3552037 1	Power Supply, 16 Unit	-
1	3552034	Xfrm, 115/230V, 9.5/25.1V	1
2	3552031	Capacitor, 80000 Mfd	1
3	3552032	Clamp, Capacitor	1
4	3552033	Rectifier, Bridge, 400V, 35Amp	2
5	1931831	Fuse, 5.00A, 250V, Slow, 1.25 x .25	1
6	8506109	Holder, Fuse	1
7	4079115	Switch, Toggle, SPST	1
8	1988201	Xlent, Varistor, 130VAC, 38J	1
9	3551827	Suppressor, Voltage, 24VAC	1
10	3552030	Transzorb, 18V	1
11	4079114	Block, Terminal, 3-Position	1
12	4087694	Block, Terminal, 2-Position	1
13	3552049	Label, Power	1
14	3551405	Label, Power In	1
15	8505776	Label, Ground, International	1
16	8506167	Label, Bou-Matic, 3.0 x 10	1
17	3550968	Label, Turn-Power-Off	1
18	4016123	Label, Caution, Disconnect-Power	1
19	3552055	Label, Wiring Diag	1
20	4079102	Grommet, 0.38 ID x 0.88 OD	1
21	3551842	Cover, Power Supply	1
22	3551897	Lug, Ground, 14 to 8 AWG	1
23	1096200	MSCR, PNH, SS, 10-24 x 1/2	1
24	1235384	Washer, Lock, Intl-T, SS, #10	2
25	1204379	Nut, Hex, Mscr, SS, 10-24	1
26	1027265	TFSCR, PNH, SS, 8-18 x 1/2 AB	4
27	3551200	Nut, Speed, #8	4
28	1096179	MSCR, PNH, SS, 8-32 x 3/8	4
29	1235383	Washer, Lock, Intl-T, SS, #8	5
30	1204378	Nut, Hex, Mscr, SS, 8-32	4
31	1096216	MSCR, PNH, SS, 10-32 x 3/8	2
32	3552082	Label, Fuse, 5 Amp	1
33	3553433	Filter, EMI, 6A, 115/250V, 50/60Hz	1
34	1973672	Resistor, Cbn Cmpsn, 2W, 1.0 K	1
	3551793	Seal, Toggle-Switch	1

Notes:

1. Item is obsolete. 3554142 is a nondirect replacement. See page 3.

**TouchPoint Assembly, Xcalibur
Streamline 360EX**

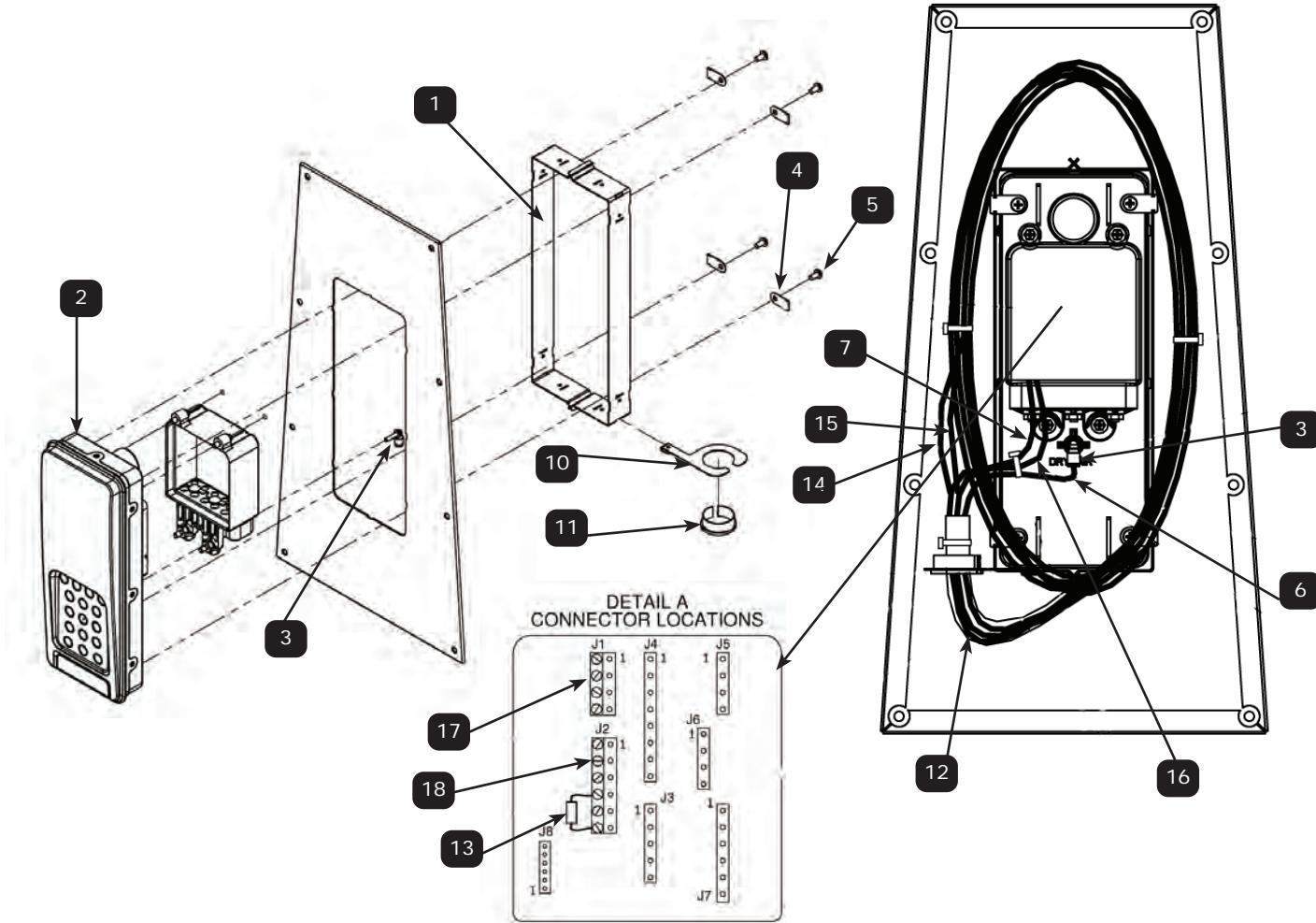
SECTION D	PAGE 5
EFFECTIVE: 2/9/11	



ITEM	PART NO.	⊗=Obsolete n/s=Not Shown	DESCRIPTION	QTY REQUIRED (a/r=As Required)
	3561052		Cover Assy, 360EX, T-Pnt	1052
1	3559327	⊗	Bracket, Hold Down, T-Point	2
	3561865		Bracket, T-Point, Clamp	2
2	3559530		Control, TouchPoint	1
3	8504215		Conn, Elbow, Push-In, 5/32	1
4	3559326	⊗	Bracket, Clamp, T-Point	4
	3561865		Bracket, T-Point, Clamp	4
5	3559350		MSCR, PNH, SS, M5 x 6	4
6	322641YW	⊗	Hose, Nyl, Yel, 5/32 OD x 500ft	a/r
7	3559857		Cable Assy, DC Power, F, 15ft	1
8	3559859		Cable Assy, Prism-Sub, F, 15ft	1
9	3559203		Conn, Term Block, 4-Pin, 5MM	1
10	3559205		Conn, Term Block, 6-Pin, 5MM	1
11	8507015	n/s	Conn, Swlv, Elb, 5/32 OD x 1/4 NPT	1
12	3558497		Tubing, Split, 3/4 ID	a/r
13	3557453		Termination, Prism	1
14	3556250		Hose, Nyl, Grn, 5/32 OD x 500ft	a/r
15	3556249		Hose, Nyl, Red, 5/32 OD x 500ft	a/r
16	3561271		Tab, Catch, Cover, 360EX, Top	1
17	3561272		Tab, Catch, Cover, 360EX, Bottom	1
18	-----		Bolt, CRG, SS, 10-24 x 1/2	4
19	-----		Nut, Lock, Elas, SS, 10-24	4

TouchPoint Assembly, Xcalibur 360EX

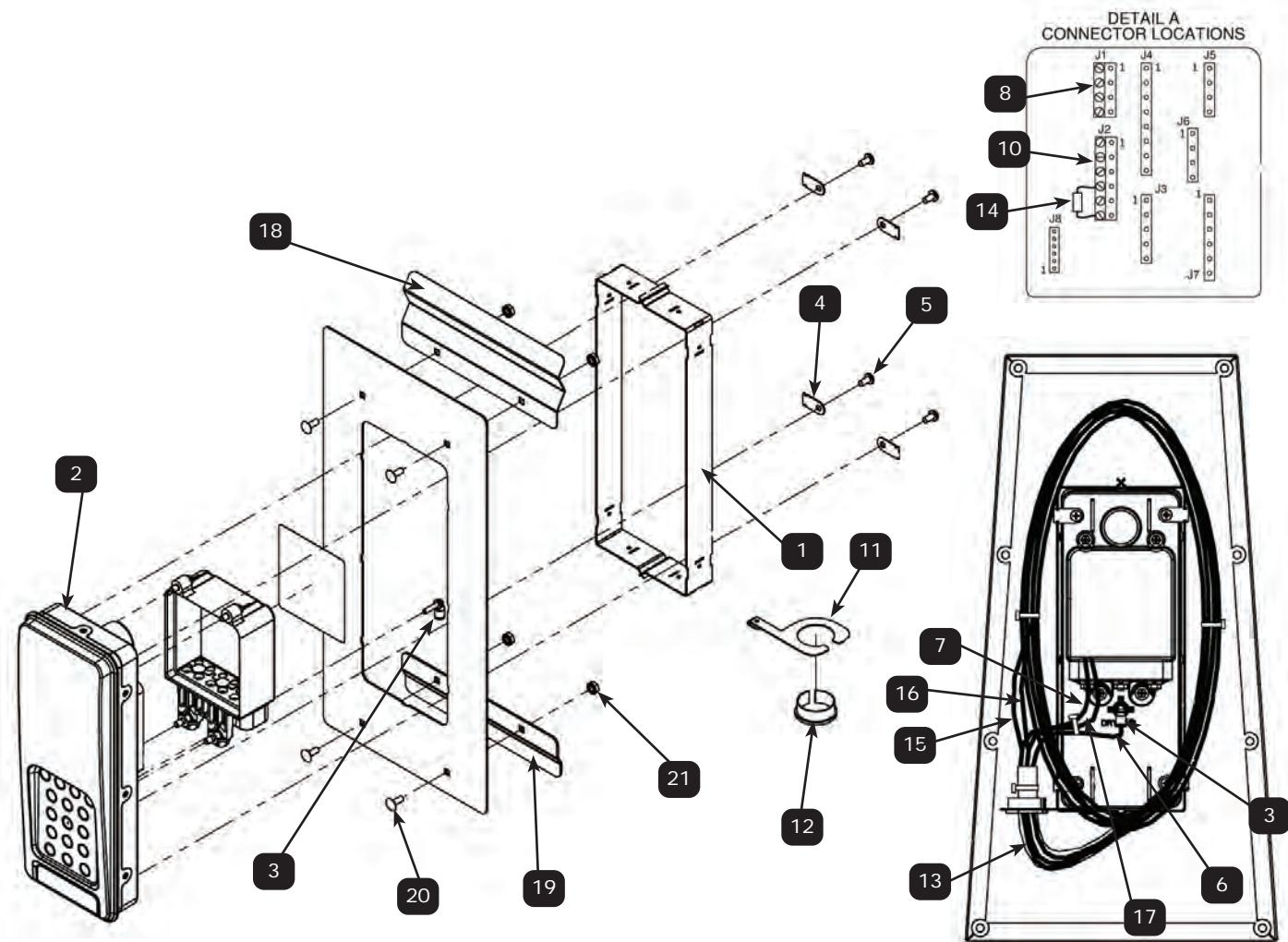
ITEM	PART NO.	⊗=Obsolete n/s=Not Shown	DESCRIPTION	QTY REQUIRED (a/r=As Required)	
	3559364	⊗	Cover Assy, Rotary, T-Point	9364	
	3559876	⊗	Cover Assy, Rotary, T-Point	9876	
1	3559327	⊗	Bracket, Hold Down, T-Point	2	2
	3561865		Bracket, T-Point, Clamp	2	2
2	3559530		Control, TouchPoint	1	1
3	8504215		Conn, Elbow, Push-In, 5/32	1	1
4	3559326	⊗	Bracket, Clamp, T-Point	4	4
	3561865		Bracket, T-Point, Clamp	2	2
5	3559350		MSCR, PNH, SS, M5 x 6	4	4
6	322641YW	⊗	Hose, Nyl, Yel, 5/32 OD x 500 ft	a/r	a/r
7	3559857		Cable Assy, DC Power, F, 15ft	1	1
8	-----	n/s	CSCR, Bth, SS, M6-1.0 x 16	8	-
9	8507015	n/s	Conn, Swl, Elb, 5/32 OD x 1/4 NPT	1	1
10	3559369		Clip, Wire, T-Point, Rotary	1	1
11	3558490		Bushing, Open/Closed, 1.25 Mtg	1	1
12	3558497		Tubing, Split, 3/4 ID	a/r	a/r
13	3557453		Termination, Prism	1	1
14	3556250		Hose, Nyl, Grn, 5/32 OD x 500ft	a/r	a/r
15	3556249		Hose, Nyl, Red, 5/32 OD x 500ft	a/r	a/r
16	3559859		Cable Assy, Prism-Sub, F, 15ft	1	1
17	3559203		Conn, Term Block, 4-Pin, 5MM	1	1
18	3559205		Conn, Term Block, 6-Pin, 5MM	1	1



TouchPoint Assembly, Xpedia 360EX

SECTION D
PAGE 7
EFFECTIVE: 2/9/11

ITEM	PART NO.	⊗=Obsolete n/s=Not Shown	DESCRIPTION	QTY REQUIRED (a/r=As Required)
	3560997		Cover Assy, Xpedia 360EX, T-Point	0997
1	3559327	⊗	Bracket, Hold Down, T-Point	2
	3561865		Bracket, T-Point, Clamp	2
2	3559530		Control, TouchPoint	1
3	8504215		Conn, Elbow, Push-In, 5/32	1
4	3559326	⊗	Bracket, Clamp, T-Point	4
	3561865		Bracket, T-Point, Clamp	4
5	3559350		MSCR, PNH, SS, M5 x 6	4
6	322641YW	⊗	Hose, Nyl, Yel, 5/32 OD x 500ft	a/r
7	3559857		Cable Assy, DC Power, F, 15ft	1
8	3559203		Conn, Term Block, 4-Pin, 5MM	1
9	8507015	n/s	Conn, Swl, Elb, 5/32 OD x 1/4 NPT	1
10	3559205		Conn, Term Block, 6-Pin, 5MM	1
11	3559369		Clip, Wire, T-Point, Rotary	1
12	3558490		Bushing, Open/closed, 1.25 mtg	1
13	3558497		Tubing, Split, 3/4 ID	a/r
14	3557453		Termination, Prism	1
15	3556250		Hose, Nyl, Grn, 5/32 OD x 500ft	a/r
16	3556249		Hose, Nyl, Red, 5/32 OD x 500ft	a/r
17	3559859		Cable Assy, Prism-Sub, F, 15ft	1
18	3560959		Tab Catch, Cover, 360EX, V-Pnt	1
19	8582989		Tab Catch, Cover, Rotary Cab.	1
20	-----		Bolt, CRG, SS, 10-24 x 1/2	4
21	-----		Nut, Hex, Keps, SS, 10-24	4

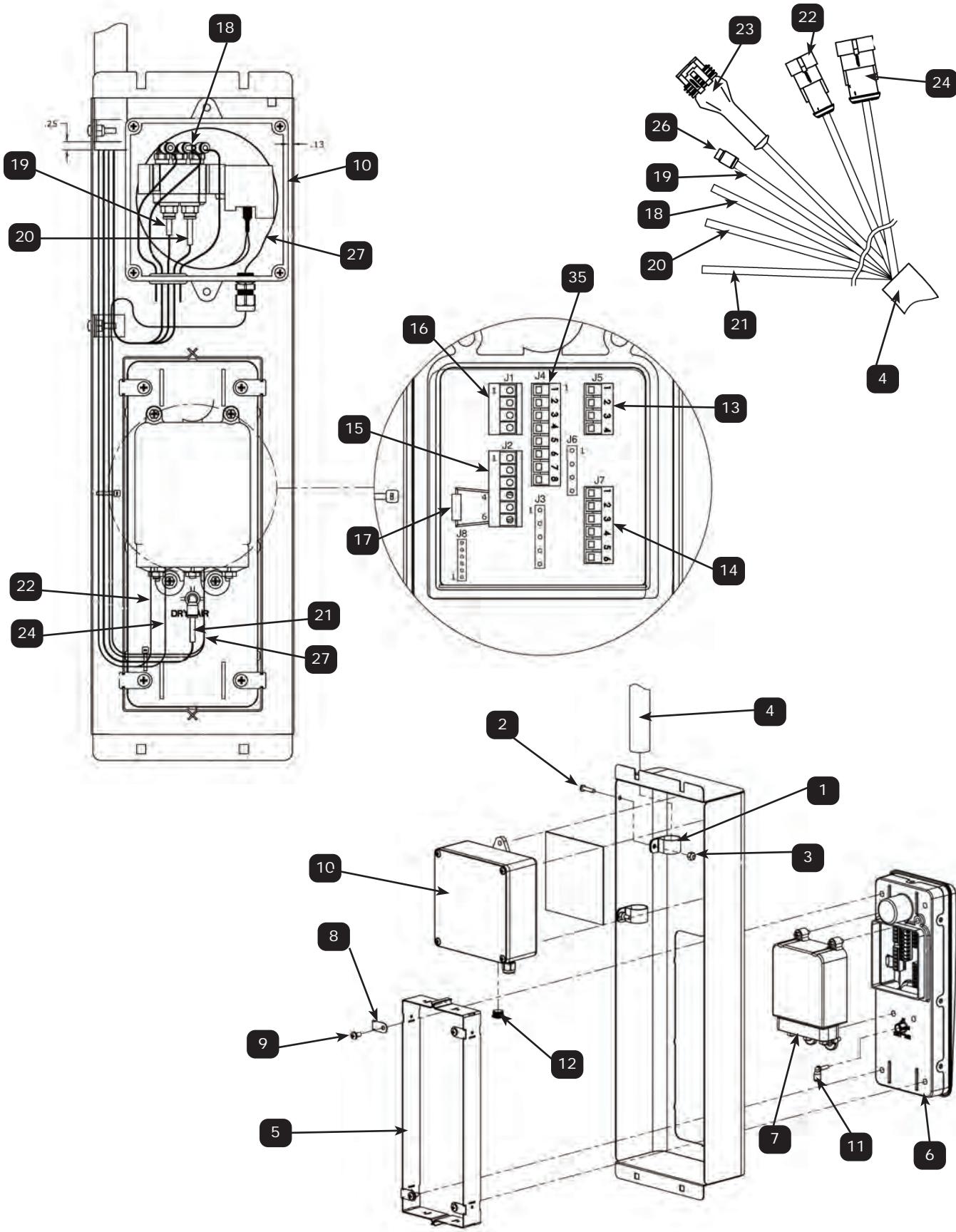


TouchPoint Assembly, Xpedia 360IX cont'd

ITEM	PART NO.	⊗=Obsolete n/s=Not Shown	DESCRIPTION	QTY REQUIRED (a/r=As Required)	
	3560990		Detacher Assy, T-Point, Air, 360IX	0990	
	3561013		Detacher Assy, T-Point, 360IX	1013	
1	1979219		Clamp, Cable, 7/8in. ID x 1/2	2	2
2	-----		MSCR, PNH, SS, 8-32 x 3/4	2	2
3	-----		Nut, Lock, Elas, SS, 8-32	2	2
4	3559926		Tube, Vinyl, 1.00 OD x .75 ID	a/r	a/r
5	3559327	⊗	Bracket, Hold Down, T-Point	2	2
	3561865		Bracket, T-Point, Clamp	2	2
6	3559530		Control, TouchPoint	1	1
7	3559919		Back Cover Assy, TouchPoint <i>(Refer to Back Cover Assembly, Touch-Point page D-18 for parts breakdown)</i>	-	-
8	3559326	⊗	Bracket Clamp, T-Point	4	4
	3561865		Bracket, T-Point, Clamp	4	4
9	3559350		MSCR, PNH, SS, M5 x 6	4	4
10	3560105		Enclosure Assy, Valve Air <i>(Refer to Valve Assembly, 1 & 2 Valve, Air page D-47 for parts breakdown)</i>	-	-
11	8504215		Conn, Elbow, Push-In, 5/32	1	1
12	3560493		Plug, Dome, PG7	1	-
13	3559718		Connector, Plug, VT, 4P x 5MM	1	1
14	3559719		Connector, plug, VT, 6P x 5MM	1	1
15	3559205		Conn, Term Block, 6-Pin, 5MM	1	1
16	3559203		Conn, Term Block, 4-Pin, 5MM	1	1
17	3557453		Termination, Prism	1	1
18	3556251		Hose, Nyl, Nat, 5/32 OD x 500ft	a/r	a/r
19	3556249		Hose, Nyl, Red, 5/32 OD x 500ft	a/r	a/r
20	3556250		Hose, Nyl, Grn, 5/32 OD x 500ft	a/r	a/r
21	322641YW	⊗	Hose, Nyl, Yel, 5/32 OD x 500ft	a/r	a/r
22	3560973		Cable Assy, DC Power, F, 120in.	1	1
23	3560979		Cable Assy, Pulsator, 120in.	1	1
24	3560974		Cable Assy, Prism-Sub, F, 25ft	1	1
25	3561014	n/s	Cable Assy, M/F, 120in.	-	1
26	3560988		Plug, Push, Female, 5/32	1	-
27	3559502		Cable Assy, One Stall, T-Point	1	-
28	3560743	n/s	Conn, Push, Tee, 5/32 x 1/4 NPT	1	1
29	3554451	n/s	Conn, Swl, Elb, 5/32 OD x 1/8 NPT	1	1
30	8507022	n/s	Conn, Swl, Elb, 1/4 OD x 1/4 NPT	1	1
31	8510201	n/s	Clamp, Hose, SS, #28, 1.31-2.25	2	2
32	-----	n/s	Bolt, CRG, SS, 1/4-20 x 5/8	4	4
33	-----	n/s	Nut, Hex, Flange, Lck, 1/4-20, SS	4	4
34	-----	n/s	Nut, Cap, SS, 1/4-20	4	4
35	3559863		Connector, Plug, VT, 8P x 5MM	1	1

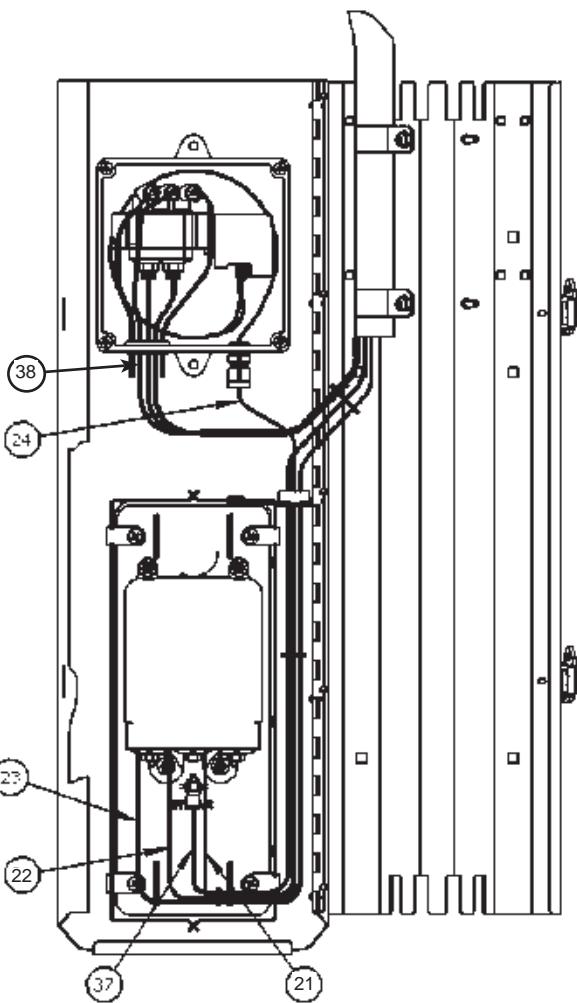
TouchPoint Assembly, Xpedia 360IX cont'd

SECTION D	PAGE 9
EFFECTIVE: 2/14/11	



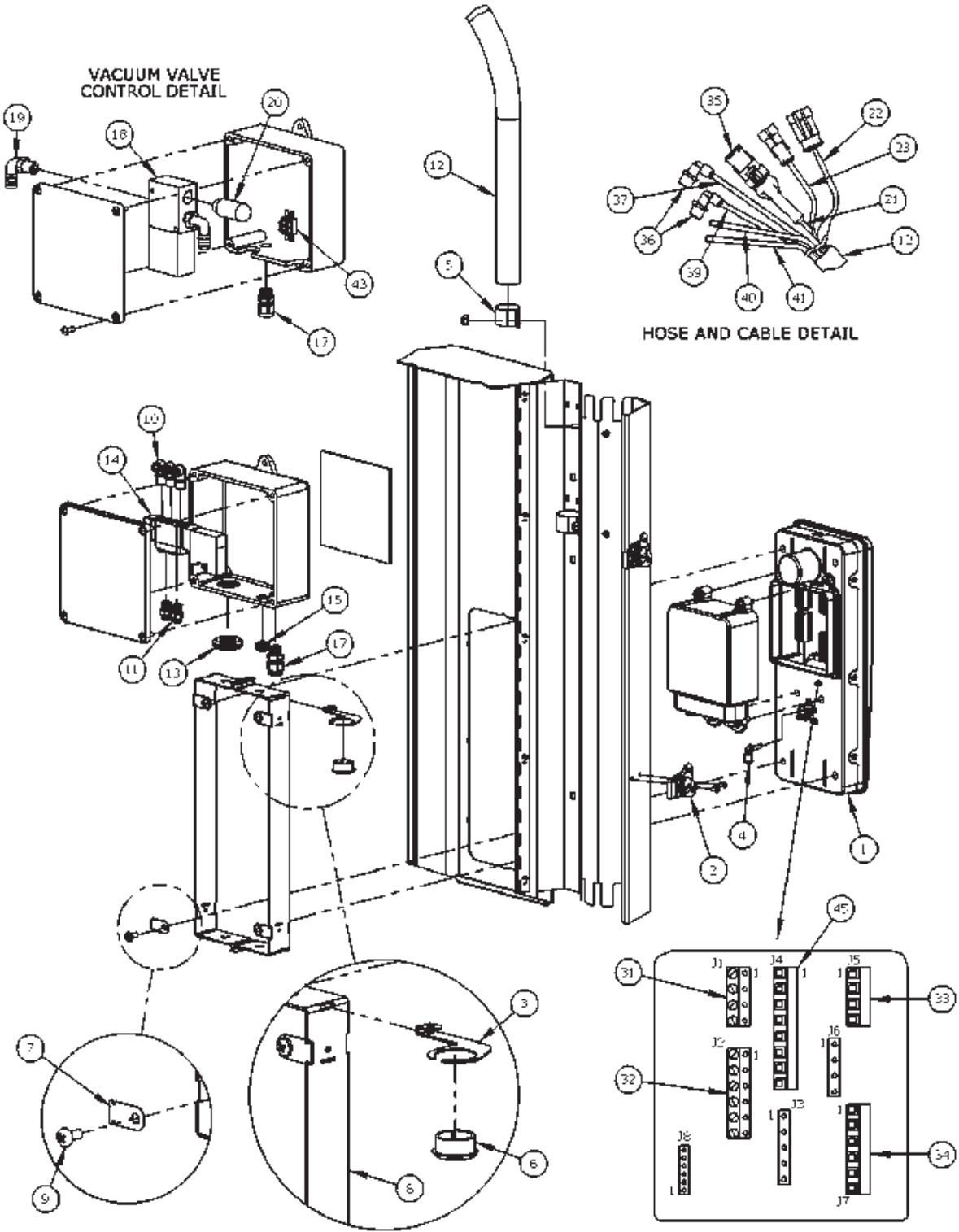
TouchPoint Assembly, Stand-Alone

ITEM	PART NO.	DESCRIPTION	QTY REQUIRED		
			(a/r=AS REQUIRED)		
	3559508	Detacher Assy, T-Point, Air	508		
	3559842	Detacher Assy, T-Point, Vac	842		
	3559794	Detacher Assy, T-Point, No Valves	794		
1	3559530	Control, Touchpoint	1	1	1
2	8515269	Fastener, Link-Lock	2	2	2
3	3559720	Clip, Wire, T-Point, 3/4"	1	1	1
4	8504215	Conn, Elbow, Push-In, 5/32	1	1	1
5	1979219	Clamp, Cable, 7/8" ID x 1/2	2	-	2
	1979219	Clamp, Cable, 1" ID x 1/2	-	4	-
6	4022982	Bushing, Split, Nylon, OCB-875	1	1	1
7	3559326	Bracket, Clamp, T-Point	4	4	4
8	3559327	Bracket, Hold Down, T-Point	2	2	2
9	3559350	Mscr, Pnh, SS, M5 X 6	4	4	4
10	3554451	Conn, Swl, Elb, 5/32 OD x 1/8 NPT	3	-	-
11	3554159	Conn, Push, 5/32 OD x 1/8 NPT	2	-	-
12	3559926	Tube, Vinyl, 1.00 OD x .75 ID	a/r	a/r	a/r
13	3556157	Grommet, Multiple, 5/32	1	-	-
14	3559301	Valve, 4-Way, Air, Low Power	1	-	-
15	3560493	Plug, Dome, PG7	1	-	-
16	3561014	n/s	Cable Assy, M/F, 120 in.	-	1
17	1917500	Conn. Str-Rlf, .11-.25, PG7	1	1	-
18	3559533	Valve, Vac, 1/4 NPT, 2.8W	-	1	-
19	3553790	Elbow, 90, Nyl, 1/4 NPT x 3/8 Hose	-	2	-
20	8551136	Muffler, Filter, 1/4 NPT	-	1	-
21	3559777	Cable Assy, Pulsator, 72"	1	1	1
22	3559785	Cable Assy, Prism-Sub, F, 72"	1	1	1
23	3559784	Cable Assy, DC Power, F, 72"	1	1	1
24	3559502	Cable Assy, One Stall, T-Point	1	-	-
	3559801	Cable Assy, One Stall, Vac, T-Point	-	1	-
25	1219379	Nut, Hex, Keps, SS, 10-24	3	3	3
26	1201206	n/s	Bolt, Crg, SS, 10-24 X 1.25	3	3
27	3559146	n/s	Plate, Compression, Str-Rlf	3	3
28	3559147	n/s	Bushing, Cable, .265 Dia	12	12
29	3559531	n/s	Screw, Captive, Hwhw, SS, M5-.8X18	4	4
30	3559890	n/s	Plate, Backup, Strain-Rlf	1	1
31	3559203	Conn, Term Block, 4-Pin, 5MM	1	1	1
32	3559205	Conn, Term Block, 6-Pin, 5MM	1	1	1
33	3559718	Connector, Plug, VT, 4P X 5MM	1	1	1
34	3559719	Connector, Plug, VT, 6P X 5MM	1	1	1
35	3559782	n/s	Connector Assy, Cap, M, 3- Pin	1	1
36	8507015	Conn, Swl, Elb, 5/32 OD x 1/4 NPT	2	-	1
37	322641YW	⊗	Hose, Nyl, Yel, 5/32 OD x 500 Ft	a/r	a/r
38	3556248	n/s	Hose, Nyl, Blk, 5/32 OD x 500 Ft	a/r	-
39	3556251	Hose, Nyl, Nat, 5/32 OD x 500 Ft	a/r	-	-
40	3556249	Hose, Nyl, Red, 5/32 OD x 500 Ft	a/r	-	-
41	3556250	Hose, Nyl, Grn, 5/32 OD x 500 Ft	a/r	-	-
42	8506805	n/s	Hose, Vinyl, .38 x .125W, Blk/Wht	a/r	a/r
43	1917655	Connector, Term Strip, 2-Pos	-	1	-
44	1916633	n/s	Connector, Pin, Ferrule, 20 Ga	-	2
45	3559863	Connector, Plug, VT, 8P X 5MM	-	-	1



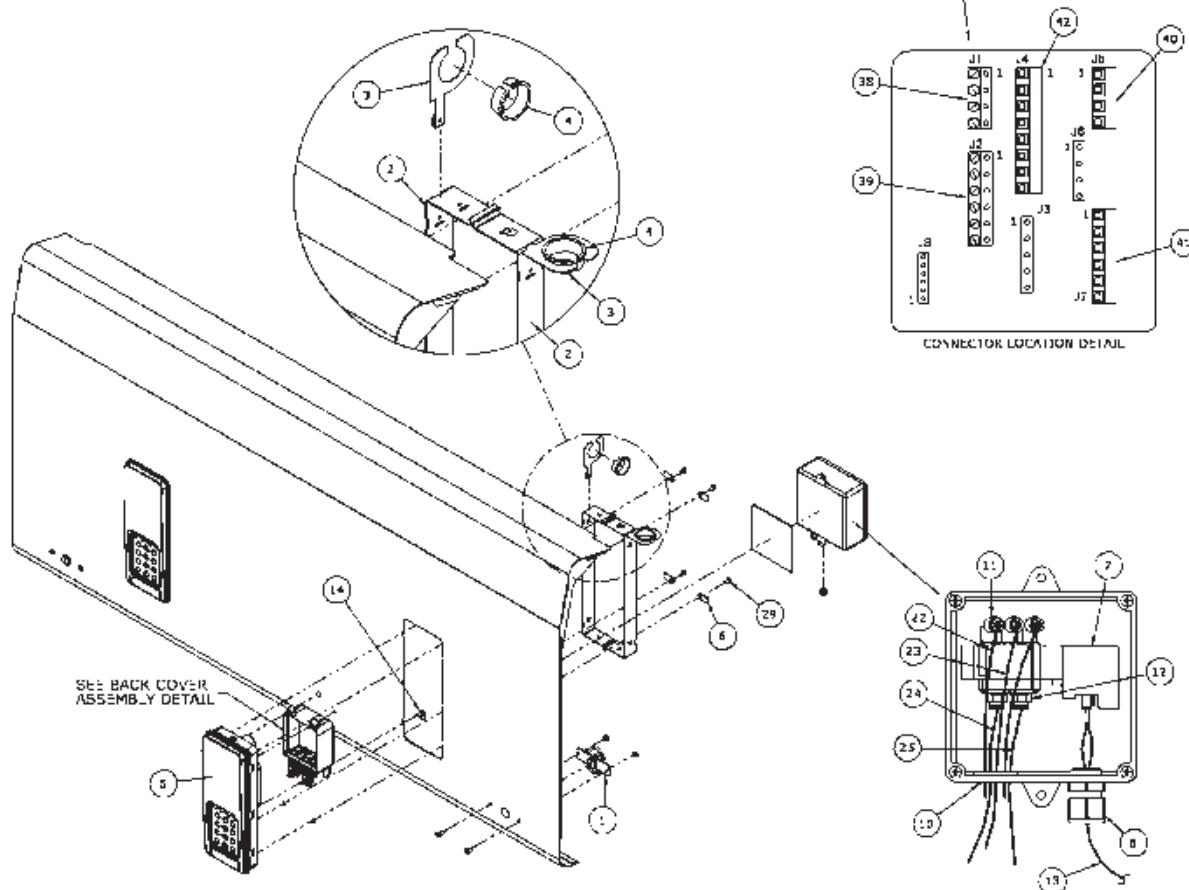
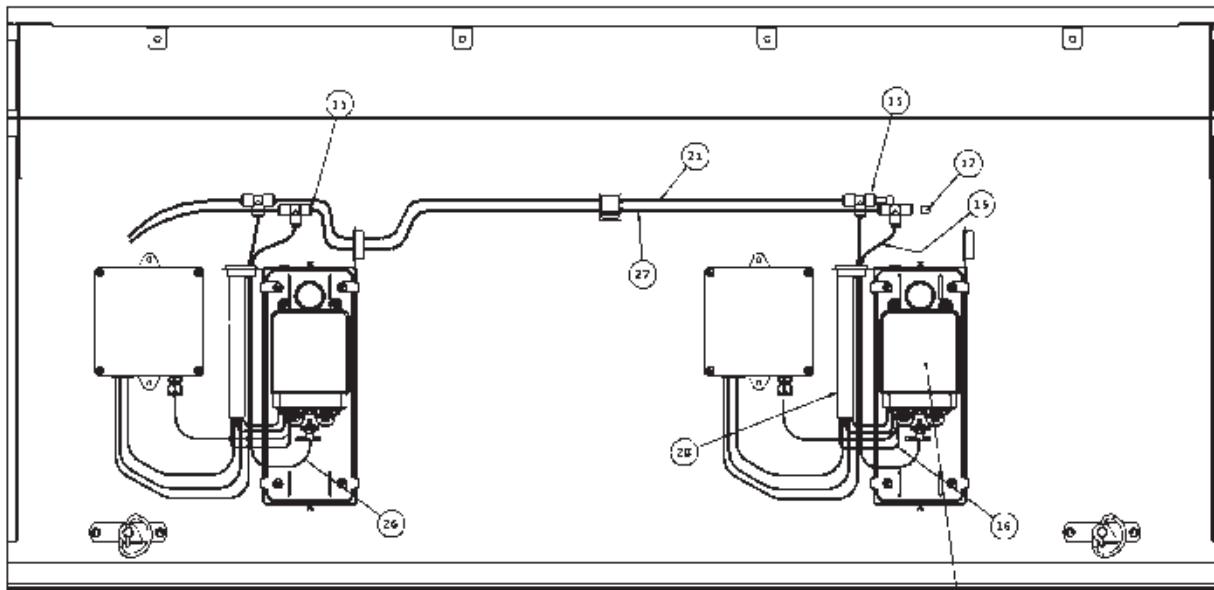
TouchPoint Assembly, Stand-Alone

SECTION D	PAGE 11
EFFECTIVE: 3/18/11	

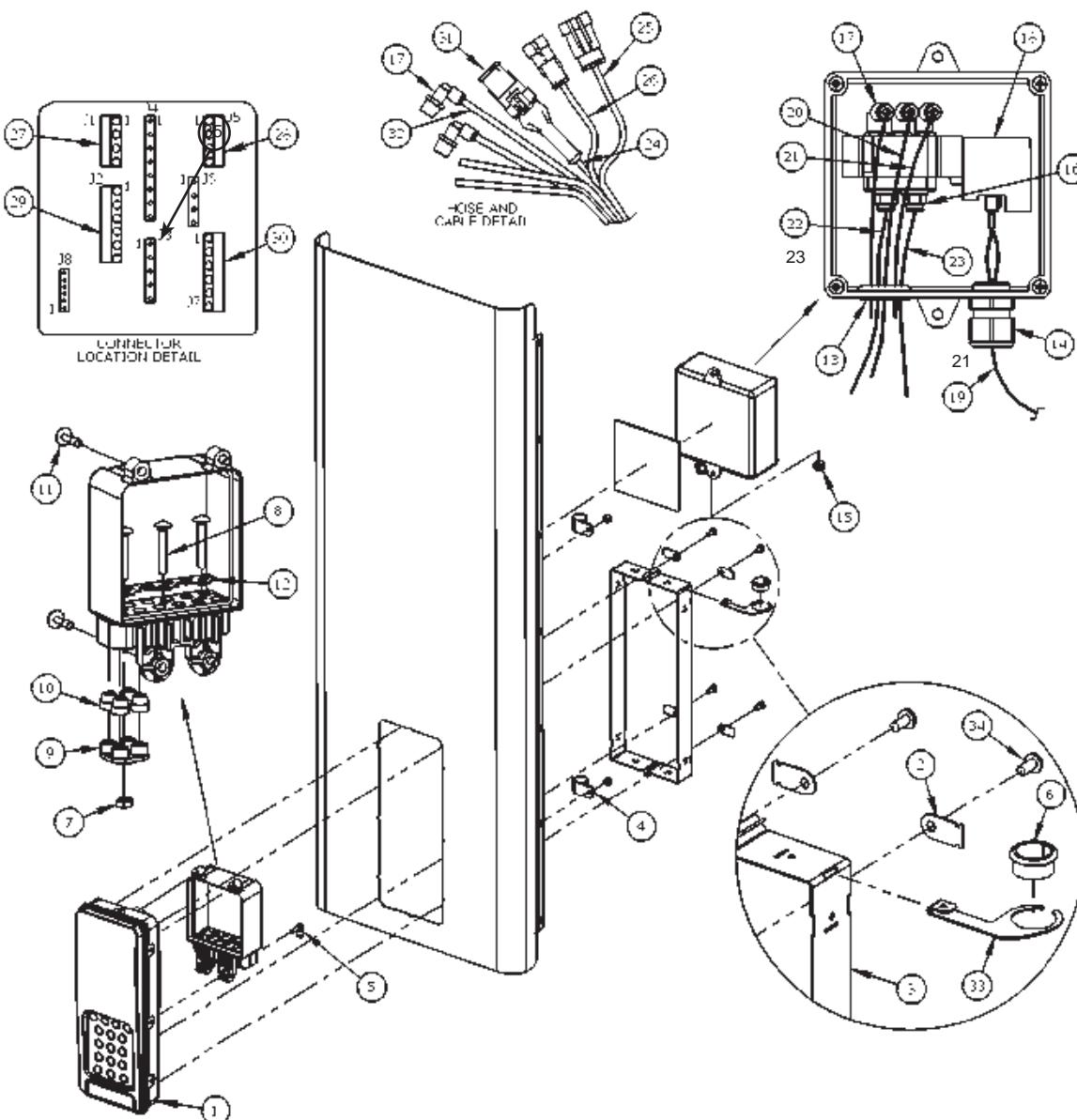


**TouchPoint Assembly, Xcalibur 90RX/LX, Xpedia
90RX/TX & Xpressway Supreme 2 & 3 Stall**

SECTION D	PAGE 13
EFFECTIVE: 3/18/11	



TouchPoint Assembly, Xcalibur 3640/4440

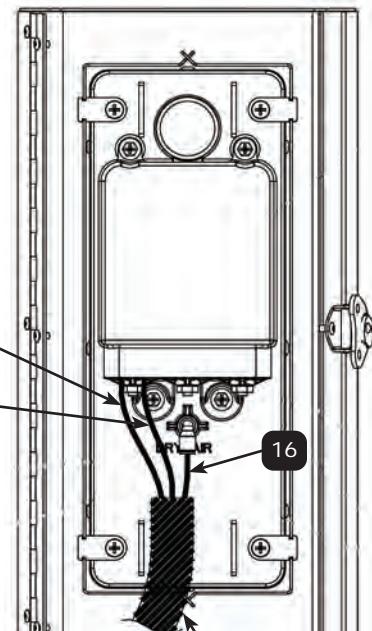
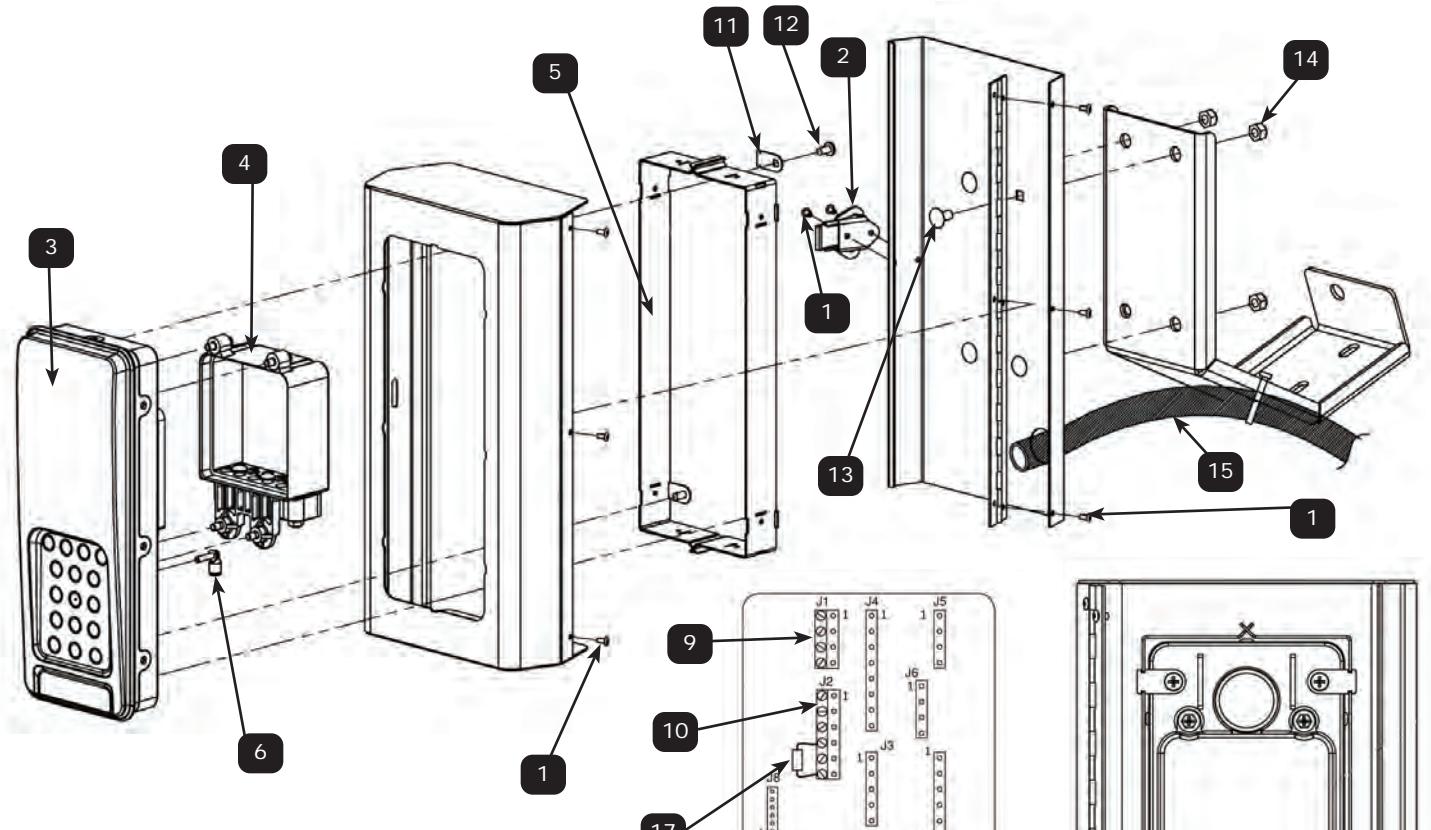


ITEM	PART NO.	DESCRIPTION	QTY REQUIRED
		n/s=NOT SHOWN	(a/r=AS REQUIRED)
3559917		Door Assy, T-P, H-B, LH	917
3559918	shown	Door Assy, T-P, H-B, RH	918
1	3559530	Control, Touchpoint	1
2	3559326	Bracket, Clamp, T-Point	4
3	3559327	Bracket, Hold Down, T-Point	2
4	1979215	Clamp, Cable, 5/8" ID X 1/2	2
5	8504215	Conn, Elbow, Push-In, 5/32	1
6	4022982	Bushing, Split, Nylon, OCB-875	1
7	1219379	Nut, Hex, Keps, SS, 10-24	3
8	1201206	Bolt, Crg, SS, 10-24 X 1.25	3
9	3559146	Plate, Compression, Str-Rlf	3
10	3559147	Bushing, Cable, .265 Dia	12
11	3559531	Screw, Captive, Hwhw, SS, M5-.8X18	4
12	3559890	Plate, Backup, Strain-Rlf	1
13	3556157	Grommet, Multiple, 5/32	1
14	1917500	Conn. Str-Rlf, .11-.25,PG7	1
15	3560493	Plug, Dome, PG7	1
16	3554159	Conn, Push, 5/32 OD x 1/8 NPT	2
17	3554451	Conn, Swl, Elb, 5/32 OD x 1/8 NPT	5
18	3559301	Valve, 4-Way, Air, Lo Power	1

19	3559502	Cable Assy, One Stall, T-Point	1
20	3556251	Hose, Nyl, Nat, 5/32 OD x 500 Ft	a/r
21	3556248	Hose, Nyl, Blk, 5/32 OD x 500 Ft	a/r
22	3556249	Hose, Nyl, Red, 5/32 OD x 500 Ft	a/r
23	3556250	Hose, Nyl, Grn, 5/32 OD x 500 Ft	a/r
24	3559777	Cable Assy, Pulsator,72"	1
25	3559785	Cable Assy, Prism-Sub, F, 72"	1
26	3559784	Cable Assy, DC Power, F, 72"	1
27	3559203	Conn, Term Block, 4-Pin, 5MM	1
28	3559718	Connector, Plug, VT, 4P X 5MM	1
29	3559205	Conn, Term Block, 6-Pin, 5MM	1
30	3559719	Conn, Connector, Plug, VT, 6P X 5MM	1
31	3559782	Connector Assy, Cap, M, 3- Pin	1
32	322641YW	Hose, Nyl, Yel, 5/32 OD x 500 Ft	a/r
33	3559720	Clip, wire, T-Point, 3/4"	1
34	3559350	Mscr, Pnh, SS, M5 X 6	4
35	3559863	Connector, Plug, VT, 8P x 5MM	1

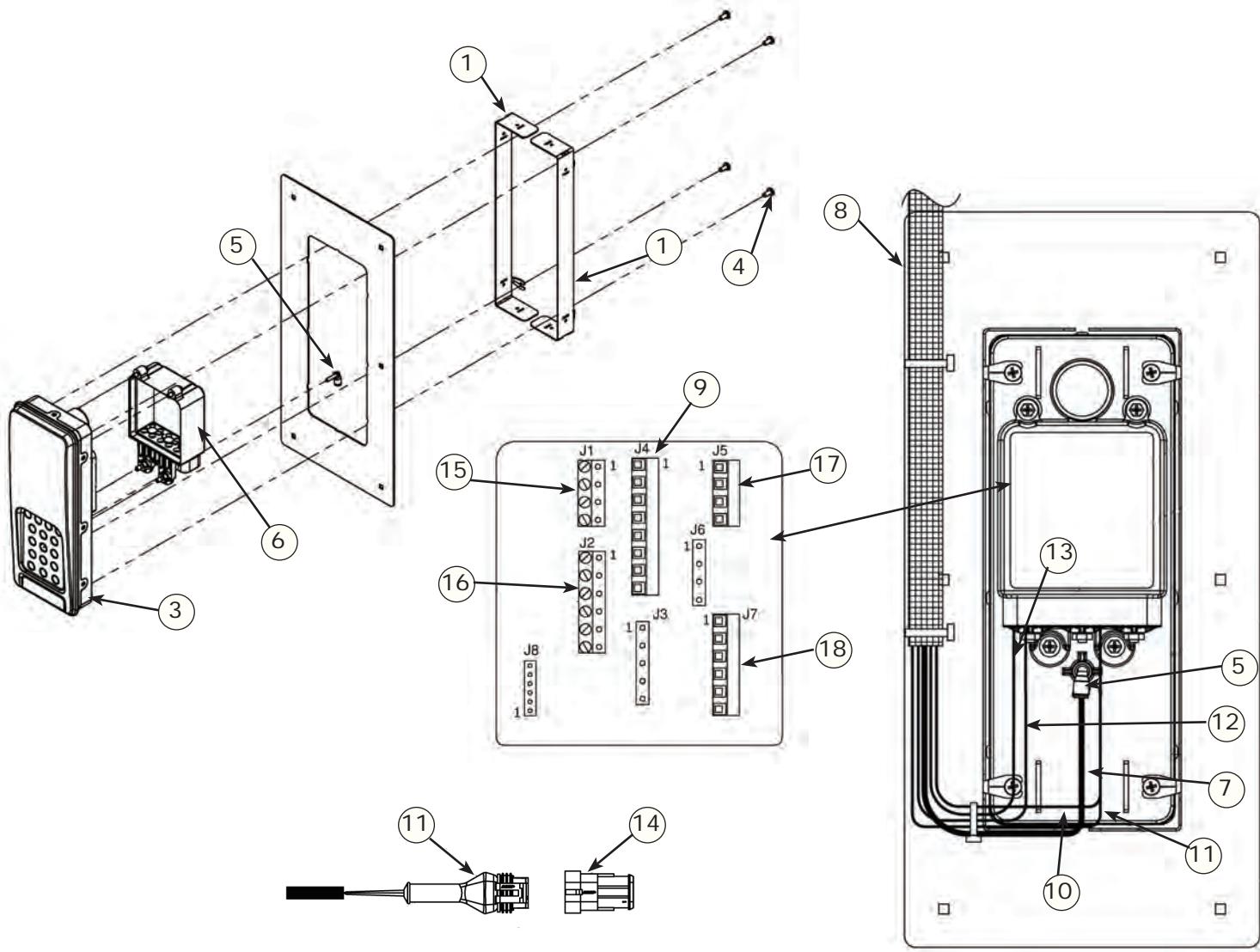
TouchPoint Assembly, DualFlo

SECTION D PAGE 15
EFFECTIVE: 2/26/12



ITEM	PART NO.	DESCRIPTION	QTY REQUIRED (a/r=As Required)
	3559989	Enclosure Assy, DFlo, T-Pnt	9989
1	-----	Rivet, Pop, SS, Ph, 1/8 x .063 - .125	8
2	8515269	Fastener, Link-Lock	1
3	3559530	Control, TouchPoint	1
4	3559919	Back Cover Assy, TouchPoint (Refer to Back Cover Assy, TouchPoint page D-18 for part breakdown)	-
5	3559327	⊗ Bracket, Hold Down, T-Point	2
6	8504215	Conn, Elbow, Push-In, 5/32	1
7	3559785	Cable Assy, Prism-Sub, F, 72in.	1
8	3559784	Cable Assy, DC Power, F, 72in.	1
9	3559203	Conn, Term Block, 4-Pin, 5MM	1
10	3559205	Conn, Term Block, 6-Pin, 5MM	1
11	3559326	⊗ Bracket, Clamp, T-Point	4
12	3559350	MSCR, PNH, SS, M5 x 6	4
13	-----	Bolt, CRG, SS, 1/4-20x1/2	4
14	-----	Nut, Lock, Elas, SS, 1/4-20	4
15	3559926	Tube, Vinyl, 1.00 OD x .75 ID	a/r
16	322641YW	Hose, Nyl, Yel, 5/32 OD x 500 ft	a/r
17	3557453	Termination, Prism	1

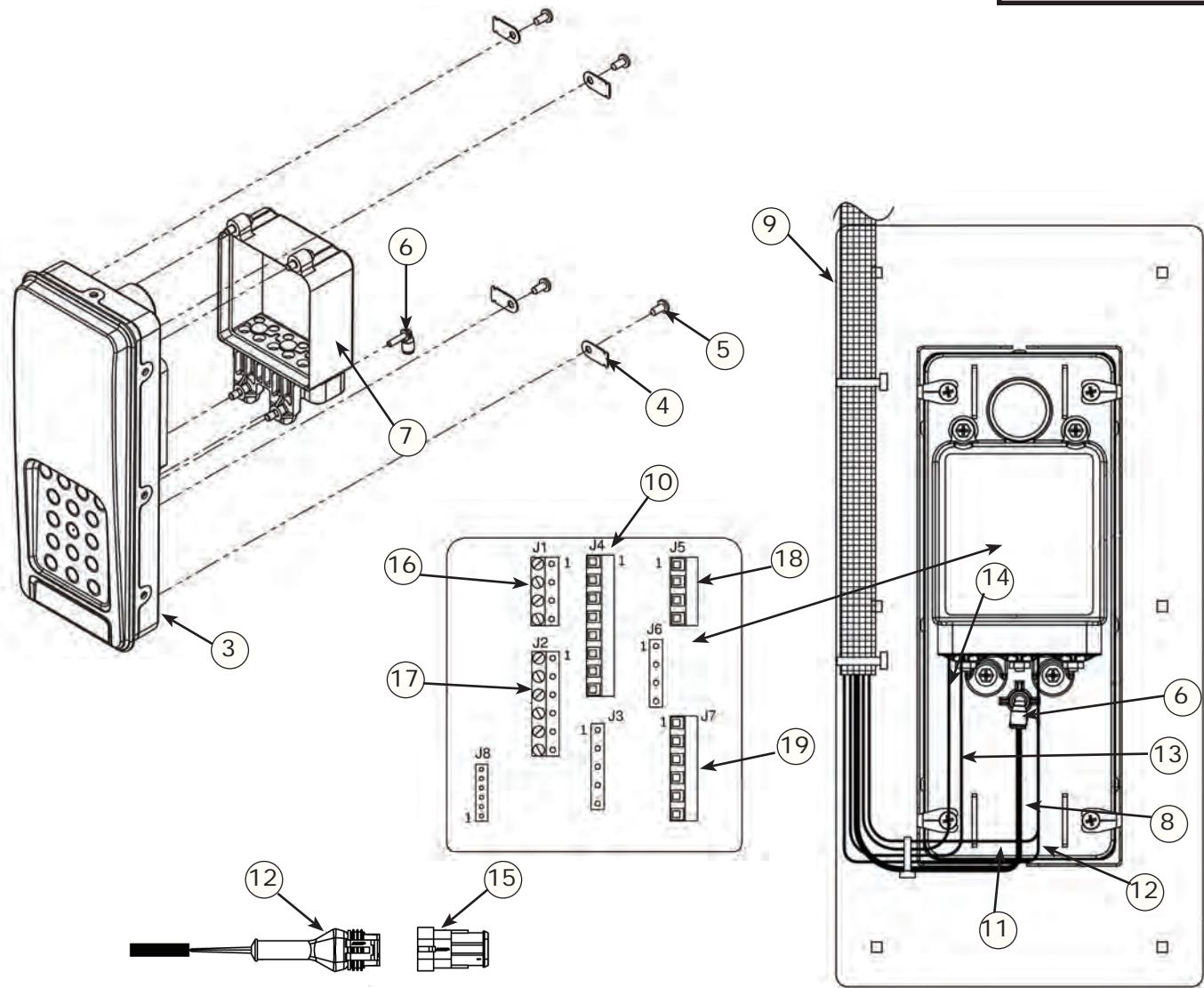
TouchPoint Assembly



ITEM	PART NO.	DESCRIPTION	QTY REQUIRED (a/r=As Required)
	3561787	Cover Assy, T-Point, 8 x 16	1787
	3561788	Cover Assy, T-Point, 6 x 12	1788
1	3561865	Bracket, T-Point, Clamp	2
2	1914004	n/s	1
3	3559530	Clamp, Cable, 3/4 DIA, ADH	1
4	3559350	Control, TouchPoint	1
5	8504215	Mscr, Pnh, SS, MS x 10	4
6	3559919	Conn, Elbow, Push-in, 5/32	1
7	3226414	Back Cover Assy, TouchPoint	1
8	3559883	Hose, Nyl, Yel, 5/32 OD x 500	a/r
9	3559863	Sleeving, Expandable, Polyest, .75 ID	a/r
10	3561786	Connector, Plug, VT, 8P x 5MM	1
11	3559777	Cable Assy, Cyl/QuickStart, 10'	1
12	3559785	Cable Assy, Pulsator, 72"	1
13	3559784	Cable Assy, Prism-Sub, F, 72"	1
14	3559782	Cable Assy, DC Power, F, 72"	1
15	3559203	Connector Assy, Cap, M, 3-Pin	1
16	3559205	Connector, Term Block, 4-Pin, 5MM	1
17	3559718	Connector, Term Block, 6-Pin, 5MM	1
18	3559719	Connector, Plug, VT, 4P x 5MM	1
19	-----	Connector, Plug, VT, 6P x 5MM	1
20	-----	Nut, Lock, Elas, SS, 10-24	6
		Bolt, Crg, SS, 10-24 x 5/8	-

TouchPoint Retrofit

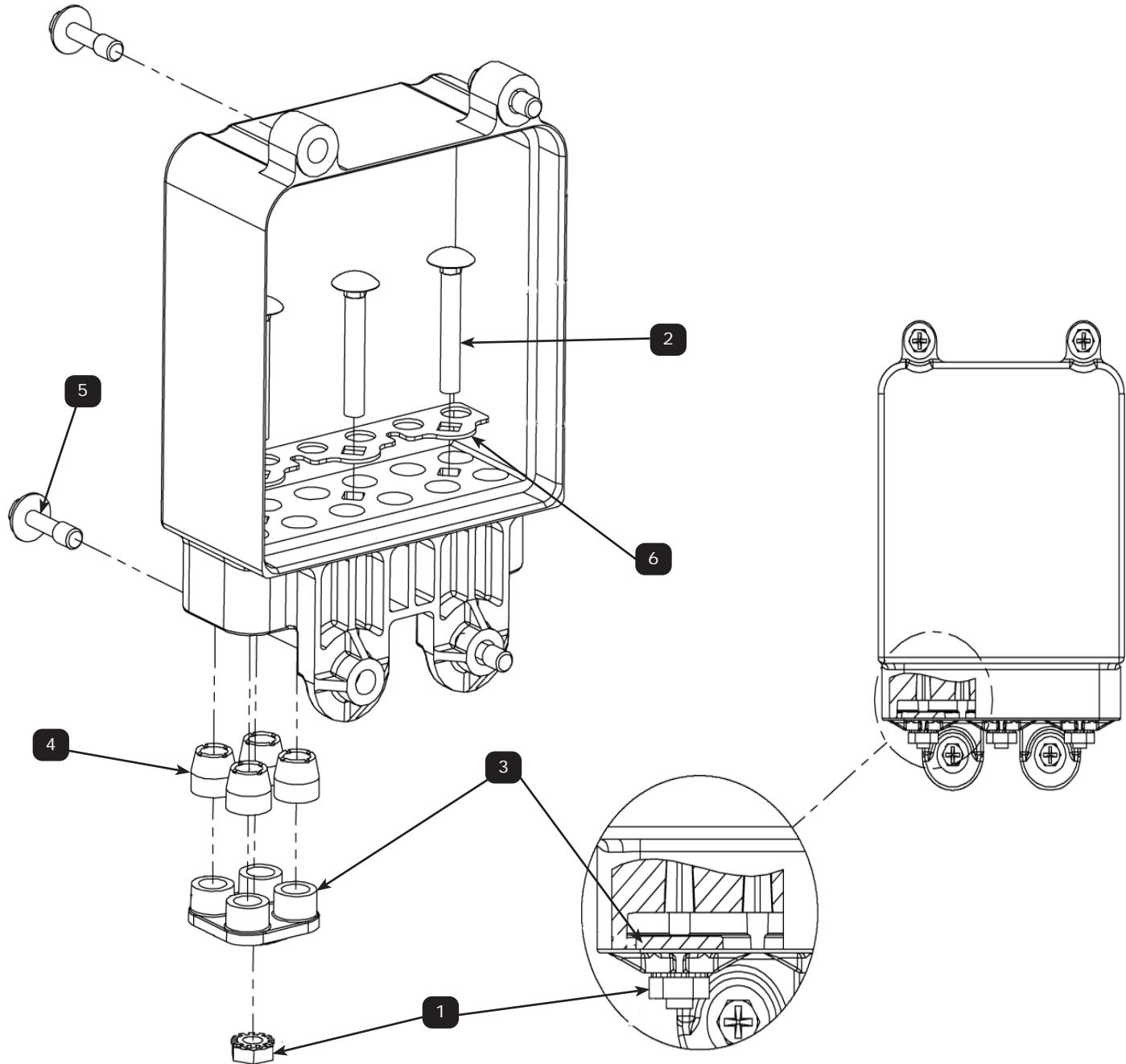
SECTION D	PAGE 17
EFFECTIVE: 4/19/12	



ITEM	PART NO.	⊗=Obsolete n/s=Not Shown	DESCRIPTION	QTY REQUIRED (a/r=As Required)
3561791			Cover Assy, T-PT, Retro-Fit	1791
1	3559327	⊗	n/s Bracket, Hold Down, T-Point	2
2	1914004		n/s Clamp, Cable, 3/4 DIA, ADH	1
3	3559530		Control, TouchPoint	1
4	3559326	⊗	Bracket, Clamp, T-Point	4
5	3559350		Mscr, Pnh, SS, MS x 6	4
6	8504215		Conn, Elbow, Push-in, 5/32	1
7	3559919		Back Cover Assy, TouchPoint	1
8	3226414		Hose, Nyl, Yel, 5/32 OD x 500	a/r
9	3559883		Sleeving, Expandable, Polyest, .75 ID	a/r
10	3561786		Cable Assy, Cyl/QuickStart, 10'	1
11	3559777		Cable Assy, Pulsator, 72"	1
12	3559785		Cable Assy, Prism-Sub, F, 72"	1
13	3559784		Cable Assy, DC Power, F, 72"	1
14	3559782		Connector Assy, Cap, M, 3-Pin	1
15	3559203		Conn, Term Block, 4-Pin, 5MM	1
16	3559205		Conn, Term Block, 6-Pin, 5MM	1
17	3559718		Connector, Plug, VT, 4P x 5MM	1
18	3559719		Connector, Plug, VT, 6P x 5MM	1
19	-----		Nut, Lock, Elas, SS, 10-24	6
20	-----		Bolt, Crg, SS, 10-24 x 5/8	6

Back Cover Assembly, TouchPoint

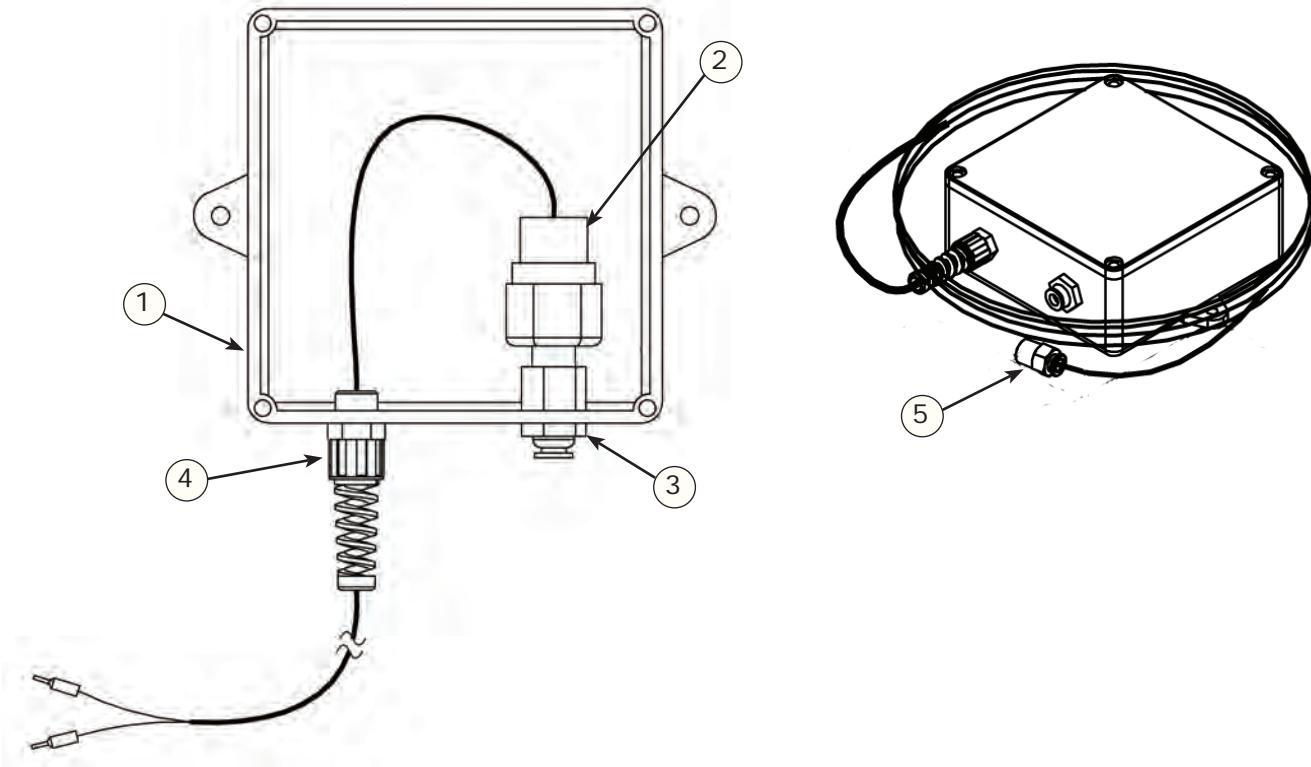
ITEM	PART NO.	DESCRIPTION	QTY REQUIRED (a/r=As Required)
	3559919	Back Cover Assy, TouchPoint	9919
1	1219379	Nut, Hex, Keps, SS, 10-24	3
2	1201206	Bolt, CRG, SS, 10-24 x 1.25	3
3	3559146	Plate, Compression, Str-Rlf	3
4	3559147	Bushing, Cable, .265 Dia.	12
5	3559531	Screw, Captive, HWH, SS, M5-.8 x 18	4
6	3559890	Plate, Backup, Str-Rlf	1



Vacuum Switch for TouchPoint

SECTION D	PAGE 19
EFFECTIVE: 4/16/12	

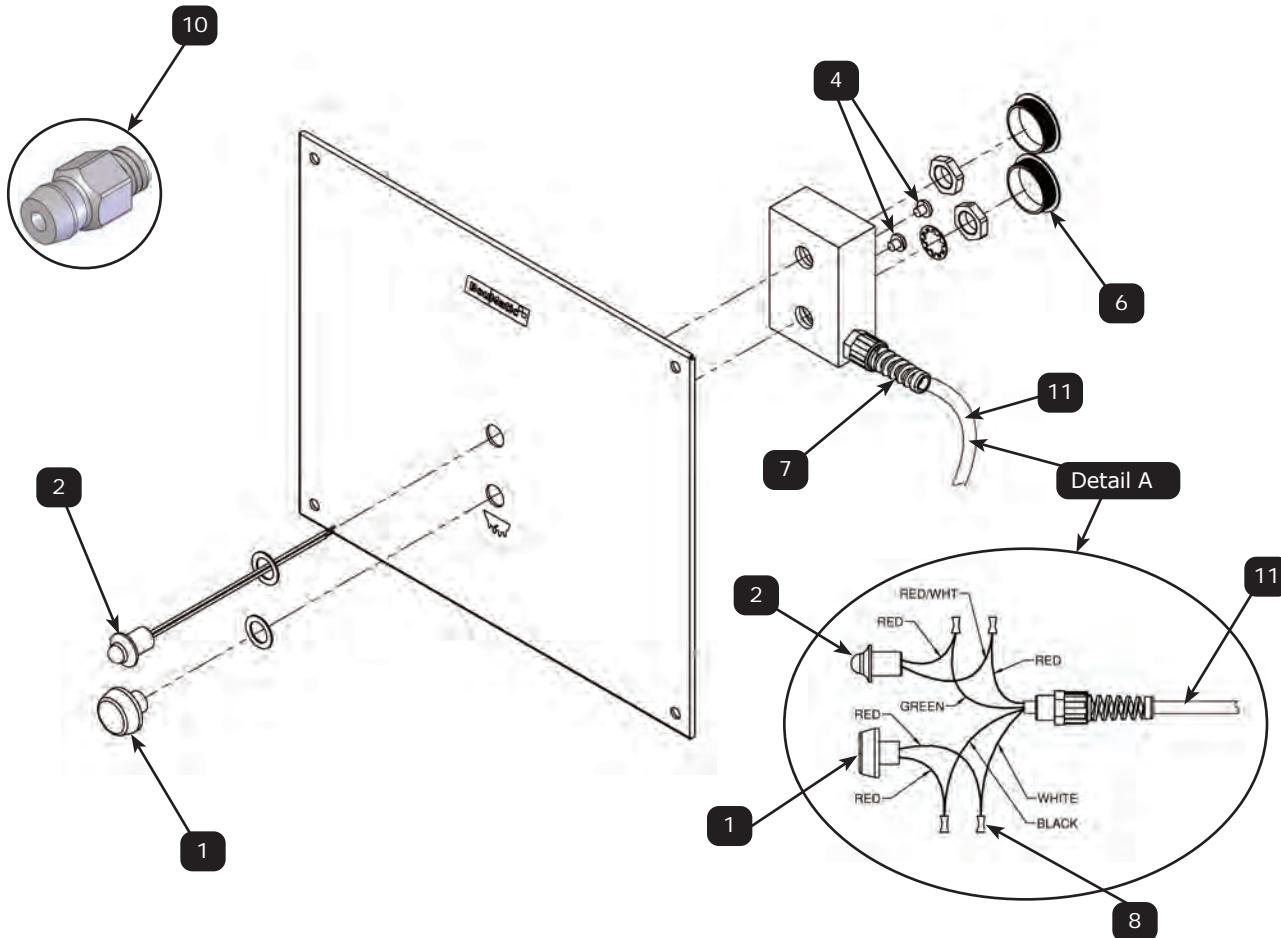
ITEM	PART NO.	DESCRIPTION	QTY REQUIRED (a/r=As Required)
	3559405	Switch Assy, Vacuu., 5" HG, 1/4 NPT	9405
1	3561962	Enclosure, Vacuum Switch	1
2	3561961	Switch, Vacuum, 5" HG, 1/4 NPT	1
3	3561964	Conn, Push, BH, 1/4 x 1/4 FNPT	1
4	1917572	Conn, Str-Rlf, .20 - .27, 1/4 NPT	1
5	8507100	Conn, Push, 1/4 x 1/4 NPT	1



ViewPoint Assembly, Xcalibur 360EX

ITEM	PART NO.	⊗=Obsolete n/s=Not Shown	DESCRIPTION	QTY REQUIRED (a/r=As Required)		
	3559759		Remote Att. Assy, w/POR Indicator	9759		
	3559760		Remote Att. Assy, w/o POR Indicator		9760	
	3561035	⊗	Panel Assy, Xcal360, VPS, Air, 2SW			1035
	3561535	⊗	Panel Assy, Xcal360, VPS, Air, 2SW			1535
1	3557988		Switch, Door, Detacher, SS	1	1	2
2	3558005		LED Indicator Assy, Red, 6.0in.	1	1	1
3	3558294		LED Indicator Assy, Red/Green	1	-	-
4	-----		MSCR, PNH, SS, 10-32 x 3/16	4	2	2
5	-----		MSCR, PNH, SS, Sems, 4-40 x 5/16	1	-	-
6	3559728		Cap, Remote Attach, PG21	3	2	3
7	1917572		Conn, Str-Rlf, .20-.27, 1/4 NPT	2	1	1
8	3559724		Conn, Splice, 22-18AWG	4	4	5
9	3559725		Conn, Splice, 14-16AWG	3	-	1
10	3558019	⊗	Fitting, Grease, 10-32	a/r	a/r	a/r
	3562545	n/s	Fitting, Grease, 10-32	a/r	a/r	a/r
11	3560947		Cable Assy, LED & 2SW, 19in.	1	1	1
12	3558018	n/s	Lubricant Grease, 14oz	a/r	a/r	a/r
13	-----	n/s	CSCR, Bth, SS, M6-1.0 x 16	4	4	4
14	-----		Wire, Strd, 22AWG, Black	-	-	.5
15	3560098		Cable Assy, POR Indicator, 12in.	1	-	-

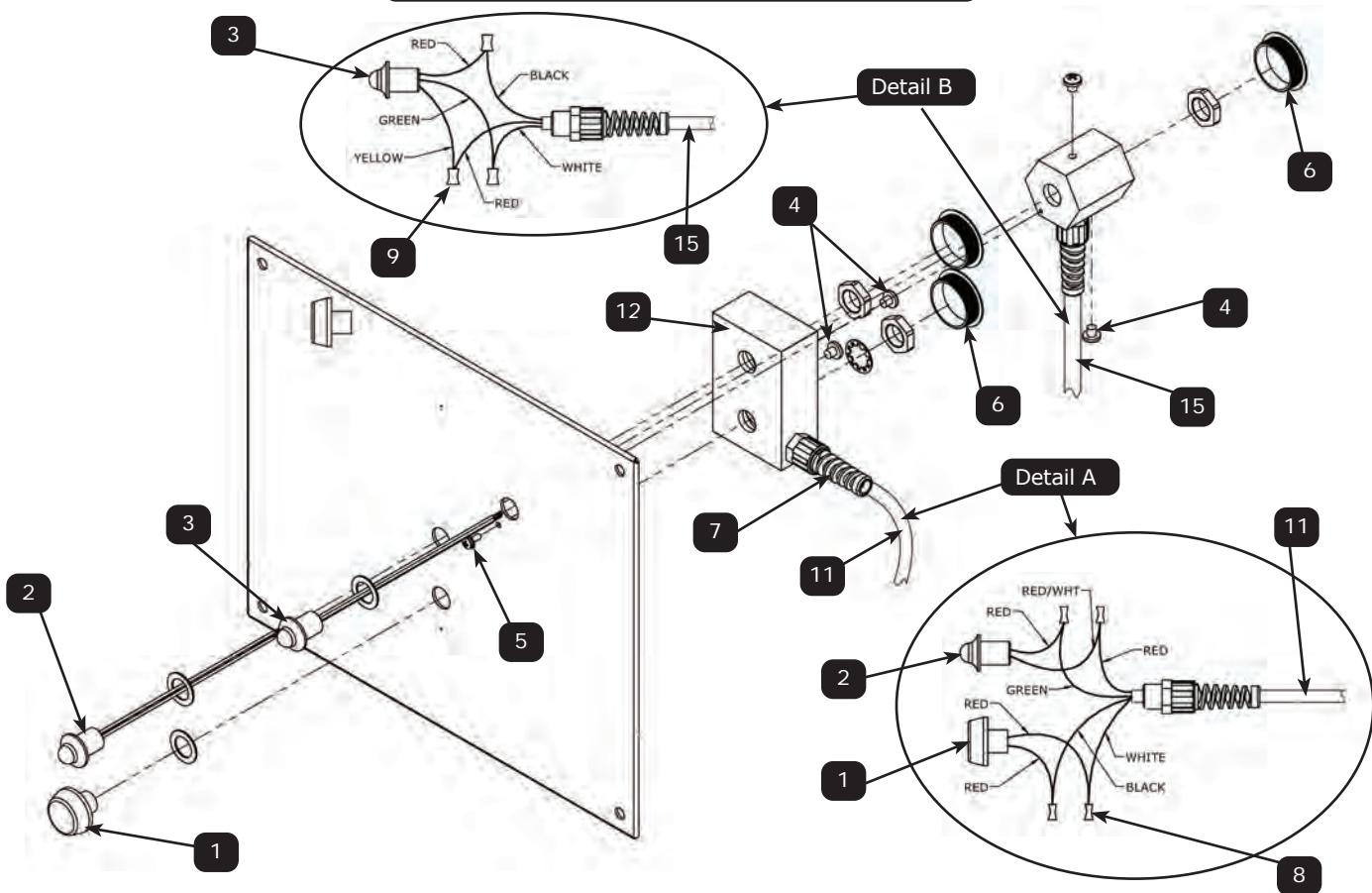
3559760 - Remove Attach. Assy, w/o Pulsator Indicator



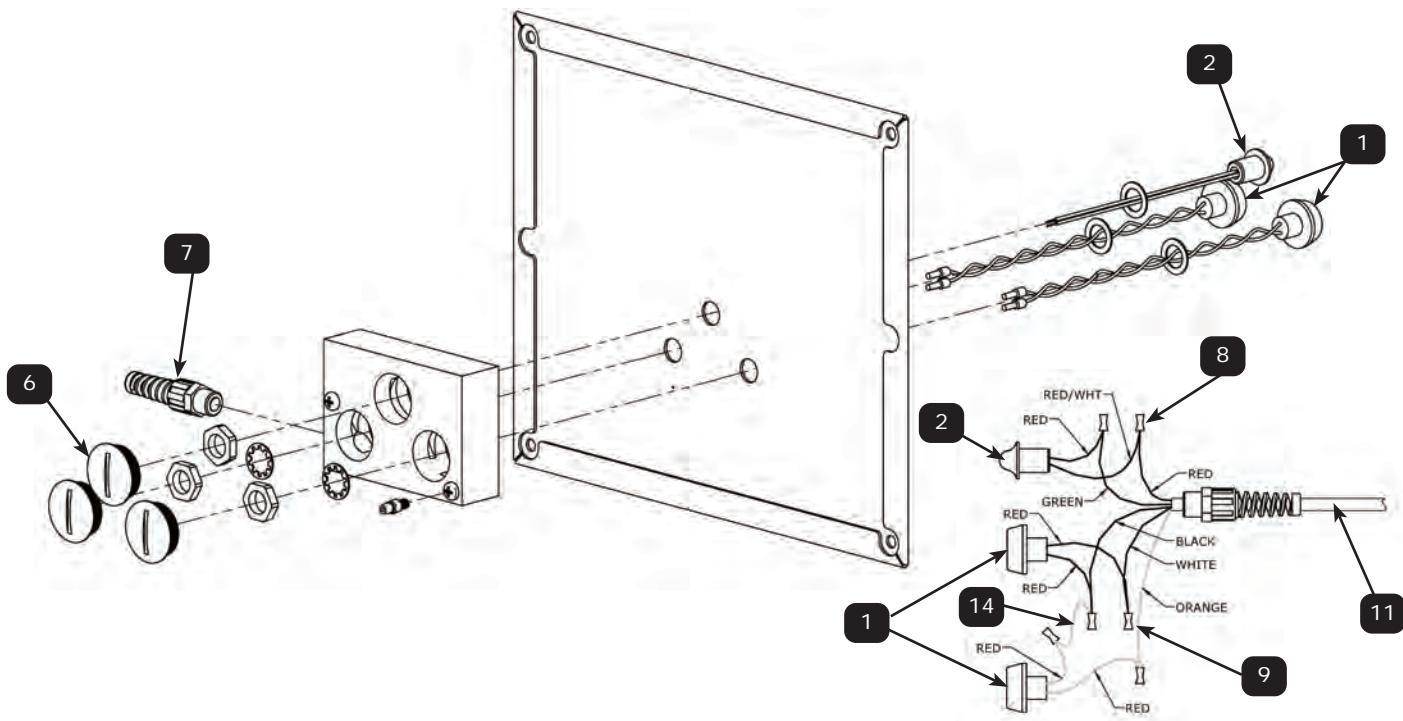
ViewPoint Assembly, Xcalibur 360EX

SECTION D PAGE 21
EFFECTIVE: 2/29/12

3559759 - Remove Attach. Assy, w/Pulsator Indicator

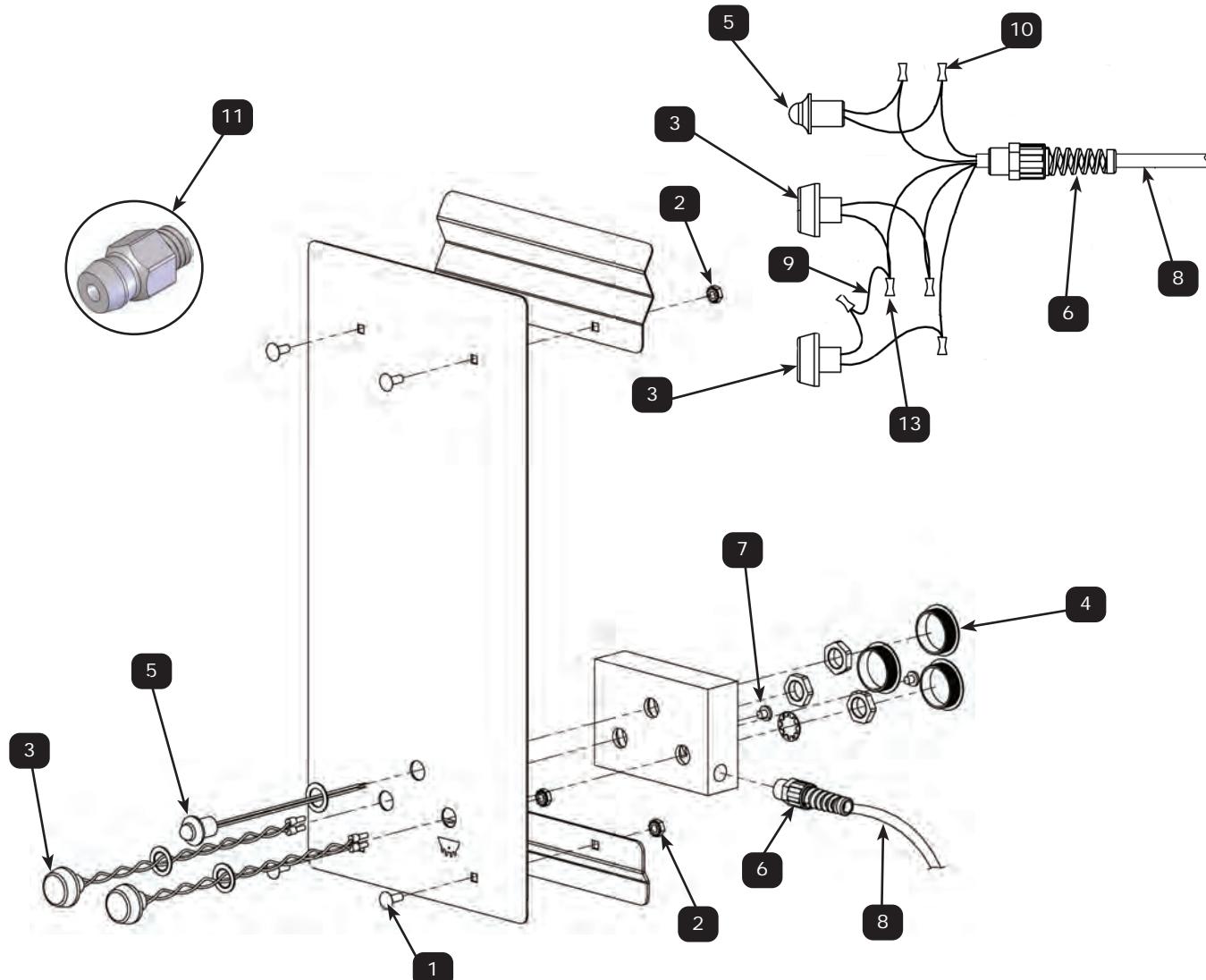


3561035 - Panel Assy, Xcal360, VPS, Air, 2SW



ViewPoint Assembly, Xpedia 360EX

ITEM	PART NO.	⊗=Obsolete n/s=Not Shown	DESCRIPTION	QTY REQUIRED (a/r=As Required)	
	3560957	⊗	Panel Assy, Xpedia 360EX, V-Pnt, 2SW	0957	
	3561017		Panel Assy, Xpedia 360EX, V-Pnt, 1SW		1017
1	-----		Bolt, CRG, SS, 10-24 x 1/2	4	4
2	-----		Nut, Hex, Keps, SS, 10-24	4	4
3	3557988		Switch, Door, Detacher, SS	2	1
4	3559728		Cap, Remote Attach, PG21	3	2
5	3558005		LED Indicator Assy, Red, 6.0in.	1	1
6	1917572		Conn, Str-Rlf, .20-.27, 1/4 NPT	1	1
7	-----		MSCR, PNH, SS, 10-32 x 3/16	2	2
8	3560947		Cable Assy, LED & 2 Switches, 19in.	1	1
9	1996709		Wire, Strd, 22 SWG, Black	.50	-
10	3559724		Connector, Splice .22 - 18AWG	5	4
11	3558019	⊗ n/s	Fitting Grease, 10-32	a/r	a/r
	3562545		Fitting Grease, 10-32	a/r	a/r
12	3558018	n/s	Lubricant Grease, 14 oz.	a/r	a/r
13	3559725		Connector, Splice, 14-16 AWG	1	-



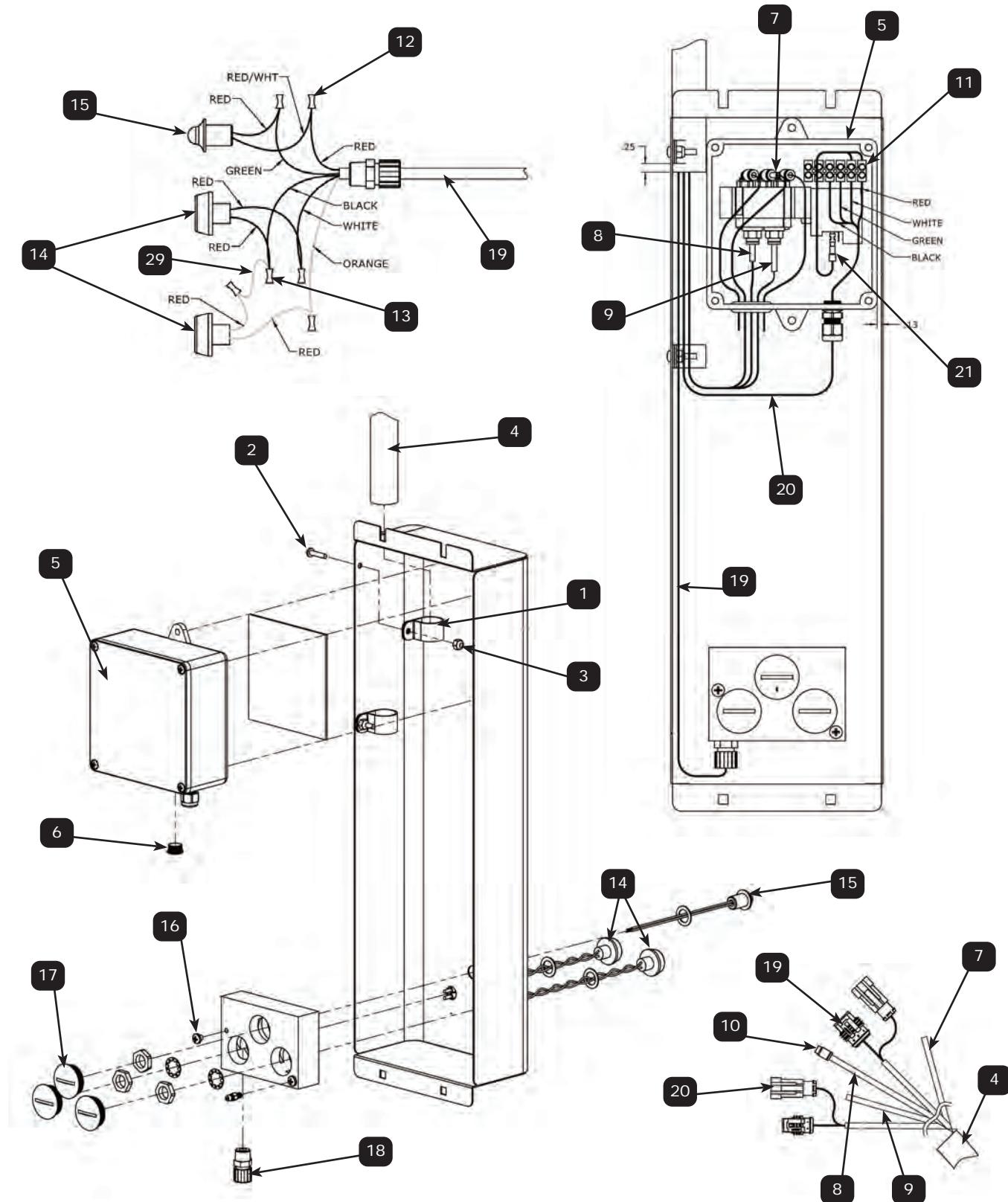
ViewPoint Assembly, Xpedia 360IX

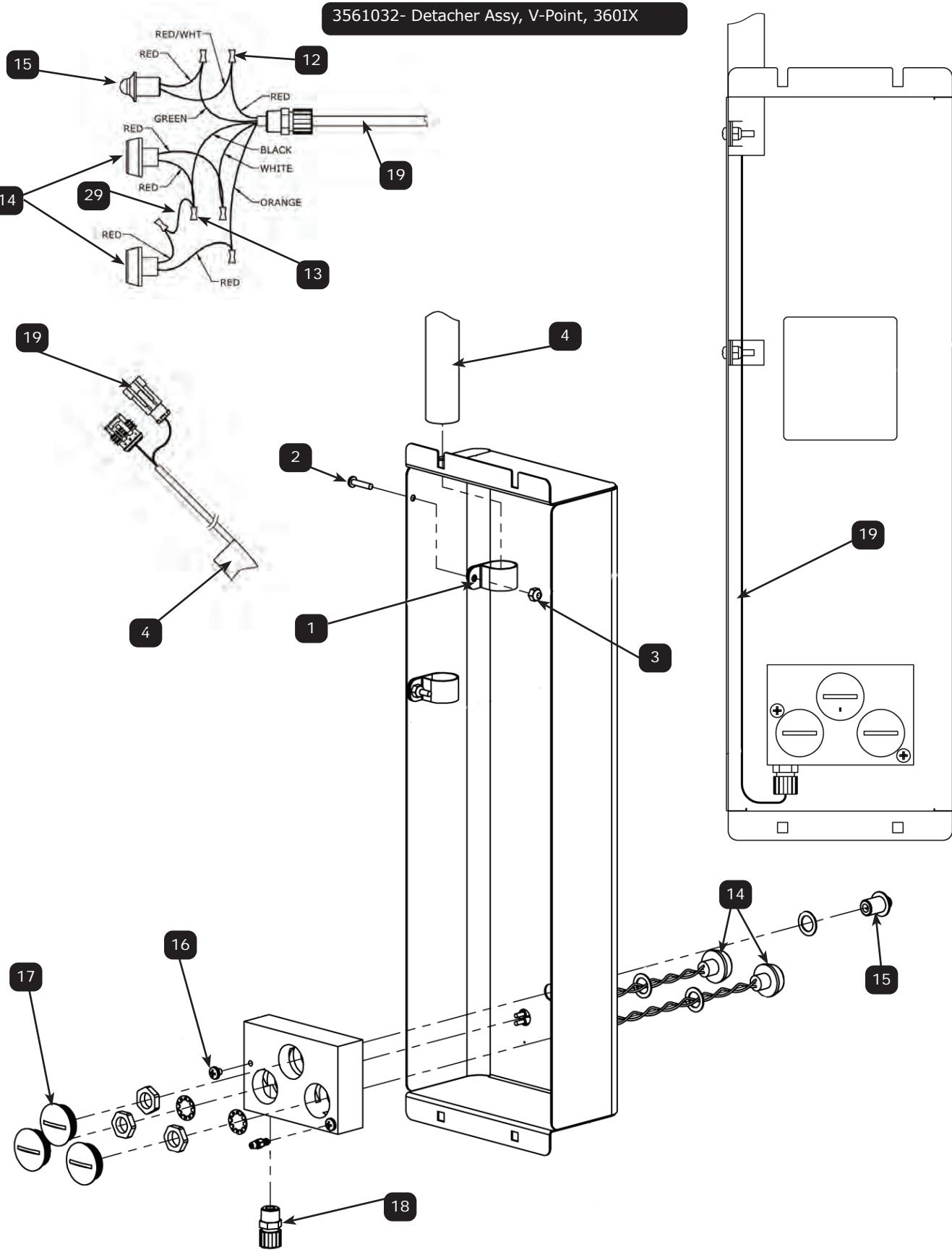
SECTION D	PAGE 23
EFFECTIVE: 3/26/11	

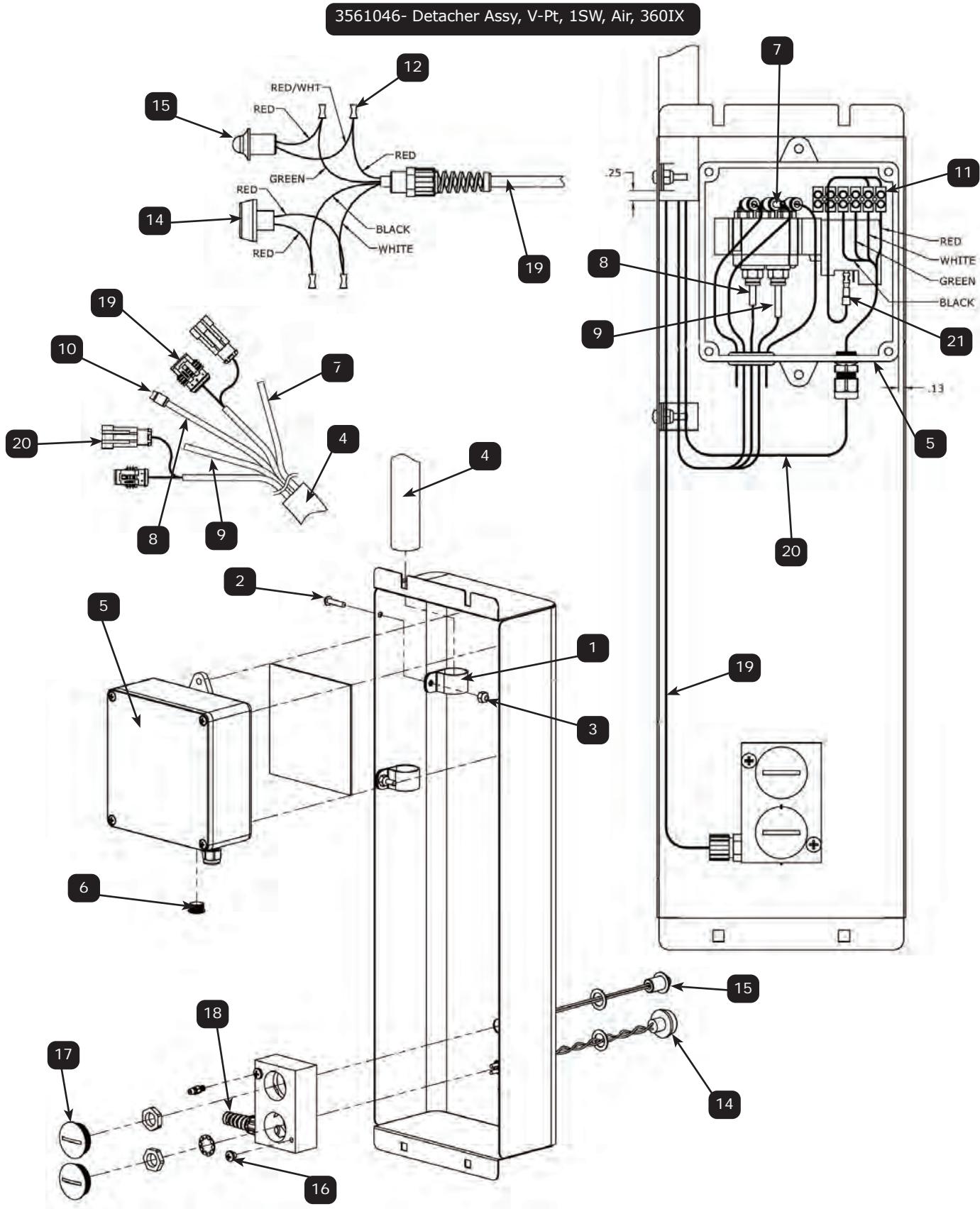
ITEM	PART NO.	⊗=Obsolete n/s=Not Shown	DESCRIPTION	QTY REQUIRED (a/r=As Required)			
				1025	1032	1046	1048
	3561025	⊗	Detacher Assy, V-Point, Air, 360IX	1025			
	3561032	⊗	Detacher Assy, V-Point, 360IX		1032		
	3561046		Detacher Assy, V-Pt, 1SW, Air, 360IX			1046	
	3561048		Detacher Assy, V-Pt, 1SW, 360IX				1048
1	1979219		Clamp, Cable, 7/8 in. ID x 1/2	2	2	2	2
2	-----		MSCR, PNH, SS, 8-32 x 3/4	2	2	2	2
3	-----		Nut, Lock, Elas, SS, 8-32	2	2	2	2
4	3559926		Tube, Vinyl, 1.00 OD x .75 ID	a/r	a/r	a/r	a/r
5	3560105		Enclosure Assy, Valve, Air <i>(Refer to Valve Assembly, 1 & 2 Valve, Air page D-47 for part breakdown)</i>	1	-	1	-
6	3560493		Plug, Dome, PG7	1	-	1	-
7	3556251		Hose, Nyl, Nat, 5/32 OD x 500ft	a/r	-	a/r	-
8	3556249		Hose, Nyl, Red, 5/32 OD x 500ft	a/r	-	a/r	-
9	3556250		Hose, Nyl, Grn, 5/32 OD x 500ft	a/r	-	a/r	-
10	3560988		Plug, Push, Female, 5/32 in.	1	-	1	-
11	1917628		Connector, Term, Strip, 6-PoS	1	-	1	-
12	3559724		Connector, Splice, 22-18AWG	5	5	4	4
13	3559725		Connector, Splice, 14-16AWG	1	1	-	-
14	3557988		Switch, Door, Detacher, S	2	2	1	1
15	3558005		LED Indicator Assy, Red, 6.0in.	1	1	1	1
16	-----		MSCR, PNH, SS, 10-32 x 3/16	2	2	2	2
17	3559728		Cap, Remote Attach, PG21	3	3	2	2
18	1917571		Conn, Str-RIf, .20-.27, 1/4 NPT	1	1	1	1
19	3561022		Cable Assy, LED & 2-SW, 26ft	1	1	1	1
20	3561019		Cable Assy, Cyl/Quickstart, 25ft	1	-	1	-
21	3561031		Cable Assy, V-Pt, Sol Valve, 360IX	1	-	1	-
22	3562545		Fitting, Grease, 10-32	a/r	a/r	a/r	a/r
23	3560743	n/s	Conn, Push, Tee, 5/32 x 1/4 NPT	1	-	1	-
24	3554451	n/s	Conn, Swl, Elb, 5/32 OD x 1/8 NPT	1	-	1	-
25	-----	n/s	Bolt, CRG, SS, 1/4-20 x 5/8	4	4	4	4
26	-----	n/s	Nut, Hex, Flange, LCK, 1/4-20, SS	4	4	4	4
27	-----	n/s	Nut, Cap, SS, 1/4-20	4	4	4	4
28	3558018	n/s	Lubricant, Grease, 1402	a/r	a/r	a/r	a/r
29	-----		Wire, Strd, 22AWG, Black	.5	.5	-	-

ViewPoint Assembly, Xpedia 360IX

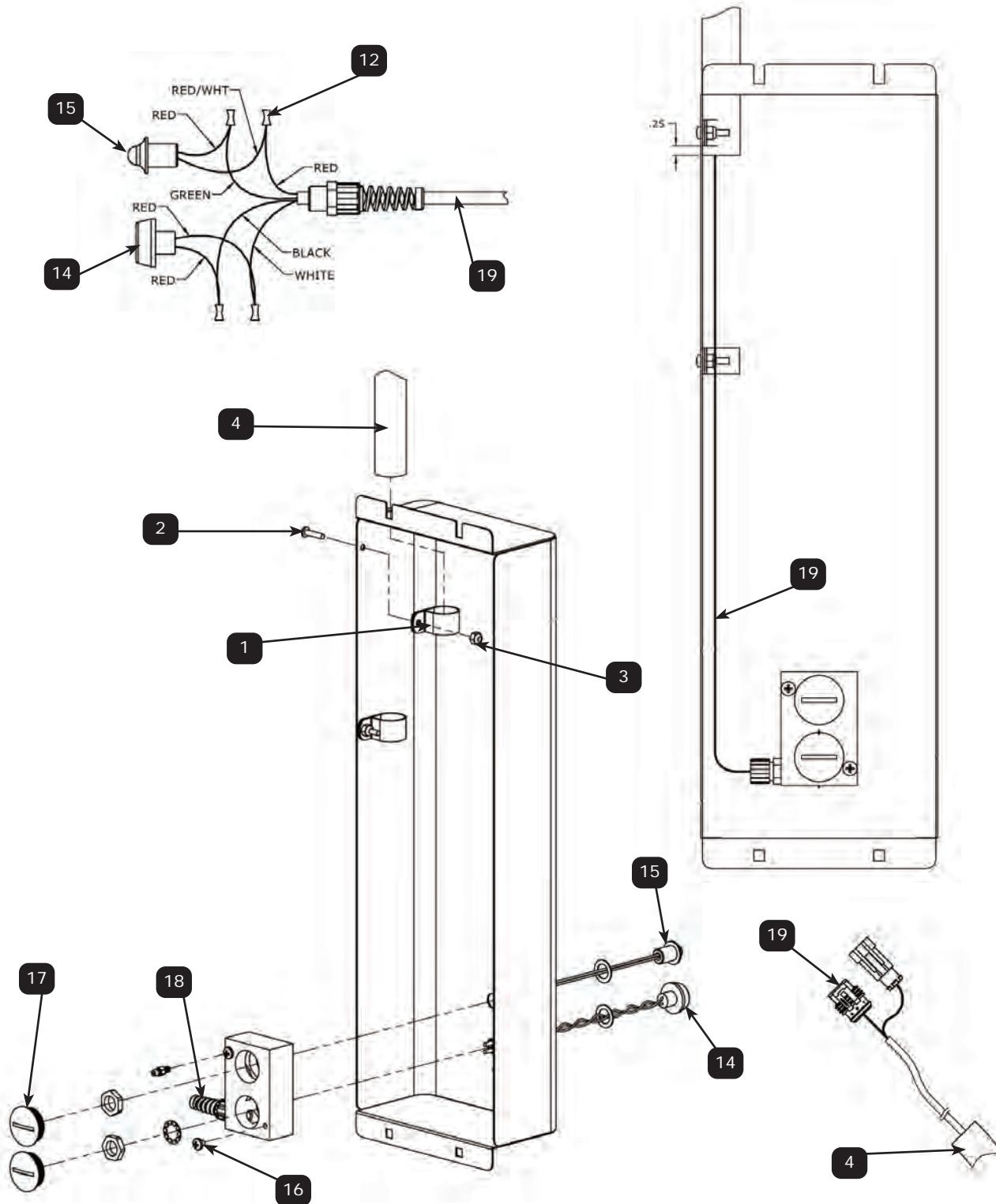
3561025 - Detacher Assy, V-Point, Air, 360IX





ViewPoint Assembly, Xpedia 360IX

3561048- Detacher Assy, V-Pt, 1SW, 360IX



**ViewPoint Assembly, Xcalibur 90RX/LX, Xpedia
90RX/TX & Xpressway Supreme 2 & 3 Stall**

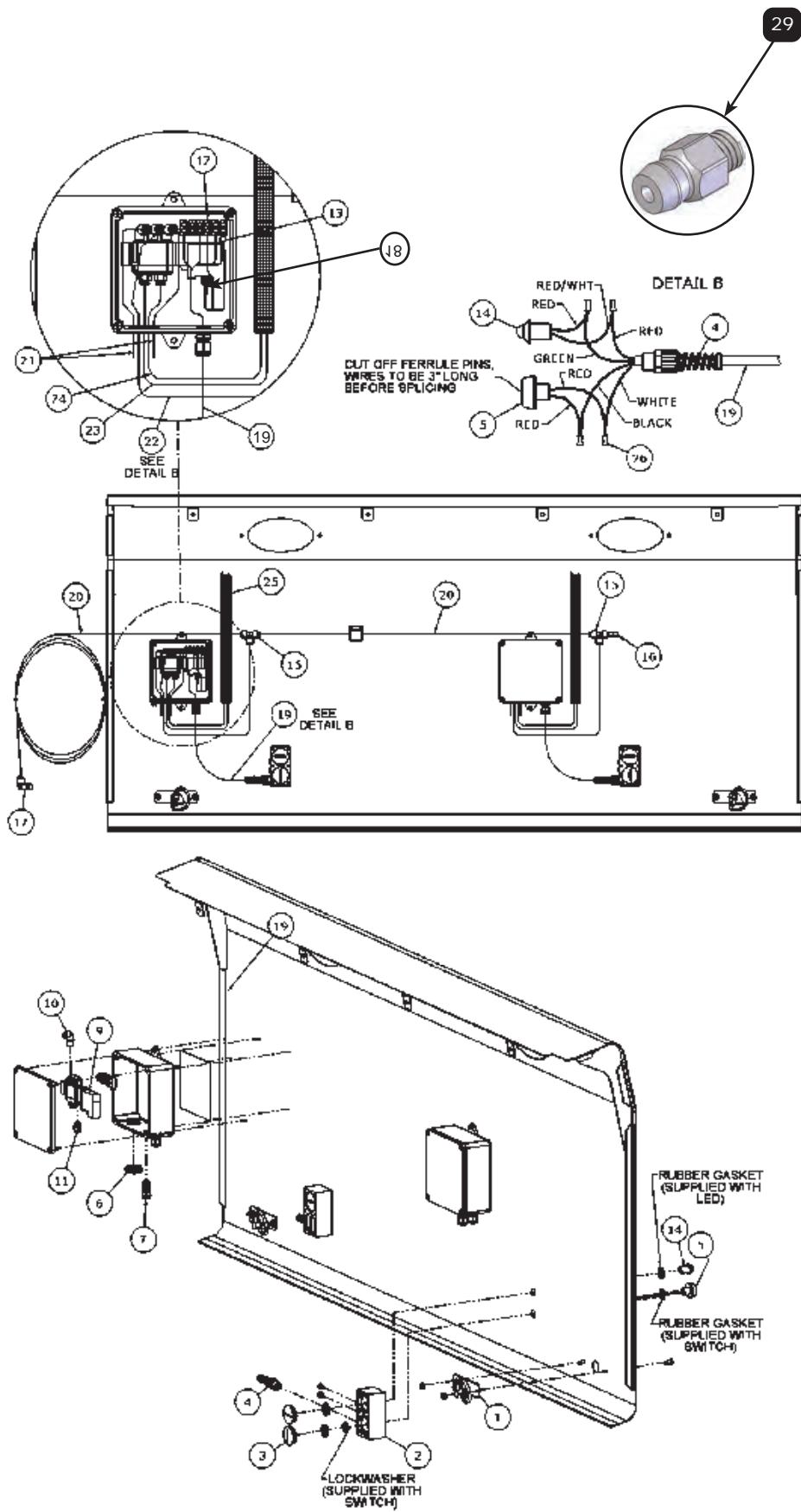
ITEM	PART NO.	⊗ = OBSOLETE n/s = NOT SHOWN	DESCRIPTION	QTY REQUIRED (a/r=AS REQUIRED)							
				776	766	774	768	796	770	762	772
3559776			Cover Assy, 2-Cow, Rd, V-Pt, Air	776							
3559766			Cover Assy, 2-Cow, Sq, V-Pt, Air		766						
3559774			Cover Assy, 3-Cow, Rd, V-Pt, Air			774					
3559768			Cover Assy, 3-Cow, Sq, V-Pt, Air				768				
3559796	⊗		Cover Assy, 2-Cow, Rd, V-Pt, n/Vlv					796			
3559770	⊗		Cover Assy, 2-Cow, Sq, V-Pt, n/Vlv						770		
3559762	⊗		Cover Assy, 3-Cow, Rd, V-Pt, n/Vlv							762	
3559772	⊗		Cover Assy, 3-Cow, Sq, V-Pt, n/Vlv								772
1	8513405		Latch, Housing, No. 57	2	-	2	-	2	-	2	-
2	3559723		Enclosure, Switch/LED	2	2	3	3	2	2	3	3
3	3559728		Cap, Remote Attach, PG21	4	4	6	6	4	4	6	6
4	1917572		Conn, Str-Rlf, .20-.27, 1/4 NPT	2	2	3	3	2	2	3	3
5	3557988		Switch, Door, Detacher, SS	2	2	3	3	2	2	3	3
6	3556157		Grommet, Multiple, 5/32	2	2	3	3	-	-	-	-
7	1917500		Conn, Str-Rlf, .11-.25, PG7	4	4	6	6	-	-	-	-
8	1917533	n/s	Conn, Str-Rlf, .20-.35, 1/2 NPT	-	-	-	-	2	2	3	3
9	3559301		Valve, 4-Way, Air, Low Power	2	2	3	3	-	-	-	-
10	3554451		Conn, Swl, Elb, 5/32 OD x 1/8 NPT	6	6	9	9	-	-	-	-
11	3554159		Conn, Push, 5/32 OD x 1/8 NPT	4	4	6	6	-	-	-	-
12	1917628		Connector, Term Strip, 6-Pos	2	2	3	3	2	2	3	3
13	1916643		Connector, Pin, Dual, 20Ga, Ferrule	2	2	3	3	-	-	-	-
14	3558005		LED Indicator Assy, Red, 6.0"	2	2	3	3	2	2	3	3
15	3558635		Conn, Push, Tee, 1/4 X 5/32	2	2	3	3	-	-	-	-
16	8515588		Conn, Push, Plug, 1/4	1	1	1	1	-	-	-	-
17	3554085		Conn, Swl, Elb, 1/4 OD x 1/8 NPT	1	1	1	1	-	-	-	-
18	3559869		Cable Assy, V-Point, Sol Valve	2	2	3	3	-	-	-	-
19	3559870		Cable Assy, V-Point, LED/Switch	2	2	3	3	2	2	3	3
20	3559885		Hose, Nyl, Nat, 1/4 OD x 500 Ft	a/r	a/r	a/r	a/r	-	-	-	-
21	3556248		Hose, Nyl, Blk, 5/32 OD x 500 Ft	a/r	a/r	a/r	a/r	-	-	-	-
22	3556251		Hose, Nyl, Nat, 5/32 OD x 500 Ft	a/r	a/r	a/r	a/r	-	-	-	-
23	3556249		Hose, Nyl, Red, 5/32 OD x 500 Ft	a/r	a/r	a/r	a/r	-	-	-	-
24	3556250		Hose, Nyl, Grn, 5/32 OD x 500 Ft	a/r	a/r	a/r	a/r	-	-	-	-
25	3559883		Sleeve, Expanding, Polyest, .75ID	a/r	a/r	a/r	a/r	-	-	-	-
26	3559724		Conn, Splice, 22-18AWG	8	8	12	12	8	8	12	12
27	3560741	⊗	n/s	Cable Assy, Cyl/Quickstart, 9 ft.	-	-	-	2	2	3	3
	3561014		n/s	Cable Assy, M/F, 120"	-	-	-	2	2	3	3
28	3558018	1	n/s	Lubricant, Grease, 14oz	a/r	a/r	a/r	a/r	a/r	a/r	a/r
29	3558019	1	⊗	n/s	Fitting, Grease, 10-32	a/r	a/r	a/r	a/r	a/r	a/r
	3562545			Fitting, Grease, 10-32	a/r	a/r	a/r	a/r	a/r	a/r	a/r
30	3559858		n/s	Conn, Str-Rlf, 2-Post, 24-1/2 NPT	-	-	-	2	2	3	3
31	1916630		n/s	Connector, Pin, Dual, 18 ga, Ferrule	-	-	-	2	-	3	-

Note:

1. Grease and fitting used to fill item 2 (Switch/LED Enclosure) after switch or LED replacement.

ViewPoint Assembly, Xcalibur 90RX/LX, Xpedia 90RX/TX & Xpressway Supreme 2 & 3 Stall

SECTION PAGE
D 29
EFFECTIVE: 3/16/11

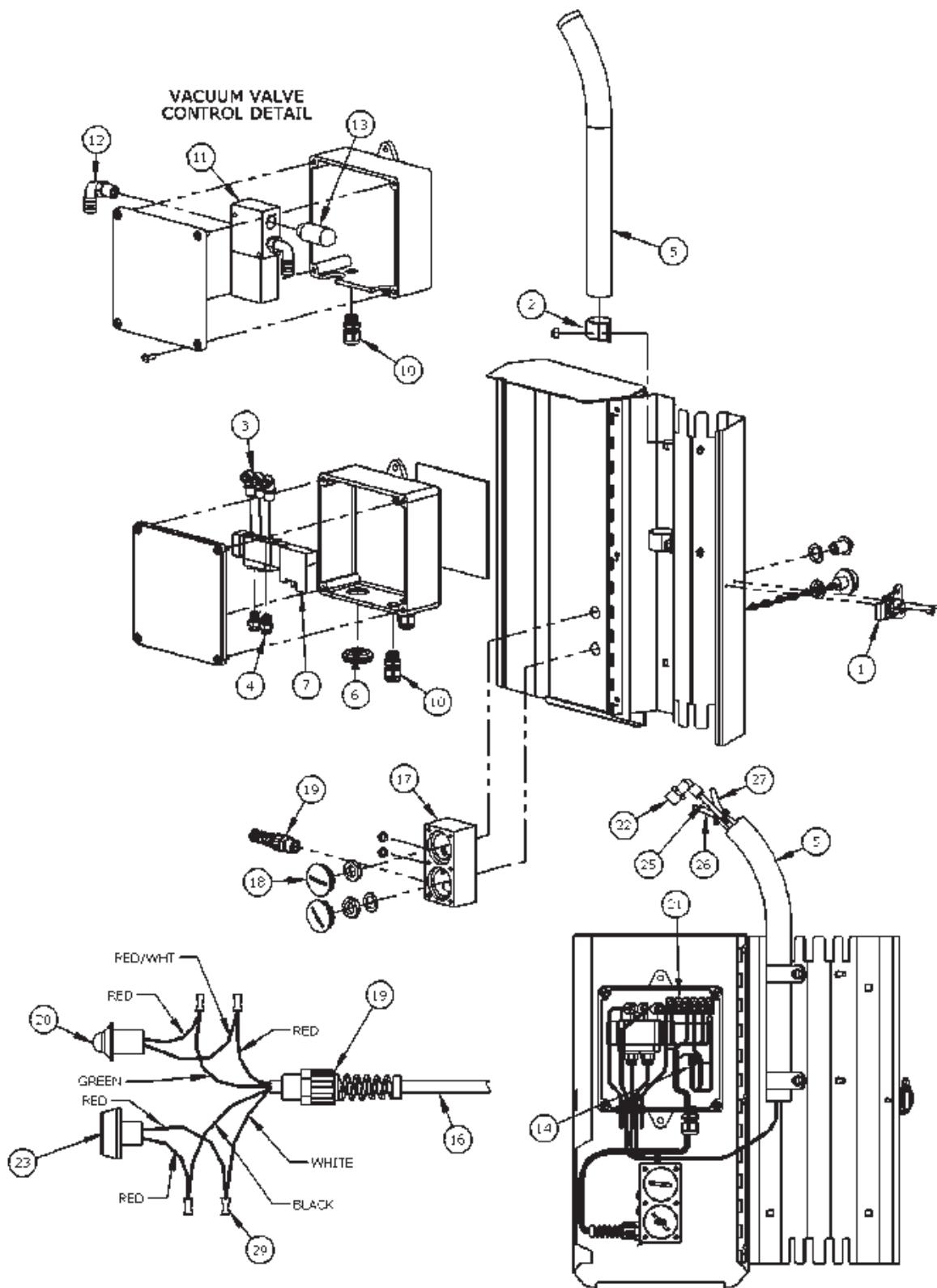


ViewPoint Assembly, Stand-Alone

ITEM	PART NO.	⊗ = OBSOLETE n/s = NOT SHOWN	DESCRIPTION	QTY REQUIRED (a/r=AS REQUIRED)		
				795	843	797
3559795	3559795		Detacher Assy, VPS, Air	795		
3559843	3559843		Detacher Assy, VPS, Vac		843	
3559797	3559797		Detacher Assy, VPS, No Valves			797
1	8515269		Fastener, Link-Lock	2	2	2
2	1979220		Clamp, Cable, 1" ID x 1/2	2	4	2
3	3554451		Conn, Swl, Elb, 5/32 OD x 1/8 NPT	3	-	-
4	3554159		Conn, Push, 5/32 OD x 1/8 NPT	2	-	-
5	3559926		Tube, Vinyl, 1.00 OD x .75 ID	a/r	a/r	a/r
6	3556157		Grommet, Multiple, 5/32	1	-	-
7	3559301		Valve, 4-Way, Air, 24V, 1/4W	1	-	-
8	1917533	n/s	Conn. Str-Rlf, .20-.35, 1/2 NPT	-	-	1
9	3560127	⊗ n/s	Cable Assy, Cyl/Quickstart	1	1	1
10	1917500		Conn. Str-Rlf, .11-.25, PG7	2	1	-
11	3559533		Valve, Vac, 1/4 NPT, 2.8W	-	1	-
12	3553790		Elbow, 90, Nyl, 1/4 NPT x 3/8 Hose	-	2	-
13	8551136		Muffler, Filter, 1/4 NPT	-	1	-
14	3559869		Cable Assy, V-Point, Sol Valve	1	-	-
15	3559881	n/s	Cable Assy, V-Pt, Sol Valve, 10'	-	-	1
16	3559870		Cable Assy, V-Point, LED/Switch	1	1	1
17	3561015		Enclosure, Switch/LED	1	1	1
18	3559728		Cap, Remote Attach, PG21	2	2	2
19	1917572		Conn. Str-Rlf, .20-.27, 1/4 NPT	1	1	1
20	3558005		LED Indicator Assy, Red, 6.0"	1	1	1
21	1917628		Connector, Term Strip, 6-Pos	1	1	1
22	8507015		Conn, Swl, Elb, 5/32 OD x 1/4 NPT	1	-	-
23	3557988		Switch, Door, Detacher, SS	1	1	1
24	3556248	n/s	Hose, Nyl, Blk, 5/32 OD x 500 Ft	a/r	-	-
25	3556251		Hose, Nyl, Nat, 5/32 OD x 500 Ft	a/r	-	-
26	3556249		Hose, Nyl, Red, 5/32 OD x 500 Ft	a/r	-	-
27	3556250		Hose, Nyl, Grn, 5/32 OD x 500 Ft	a/r	-	-
28	8506805	n/s	HOSE,VINYL.,38 X .125W,BLK/WHT	-	a/r	-
29	3559724		Conn, Splice, 22-18AWG	4	4	4

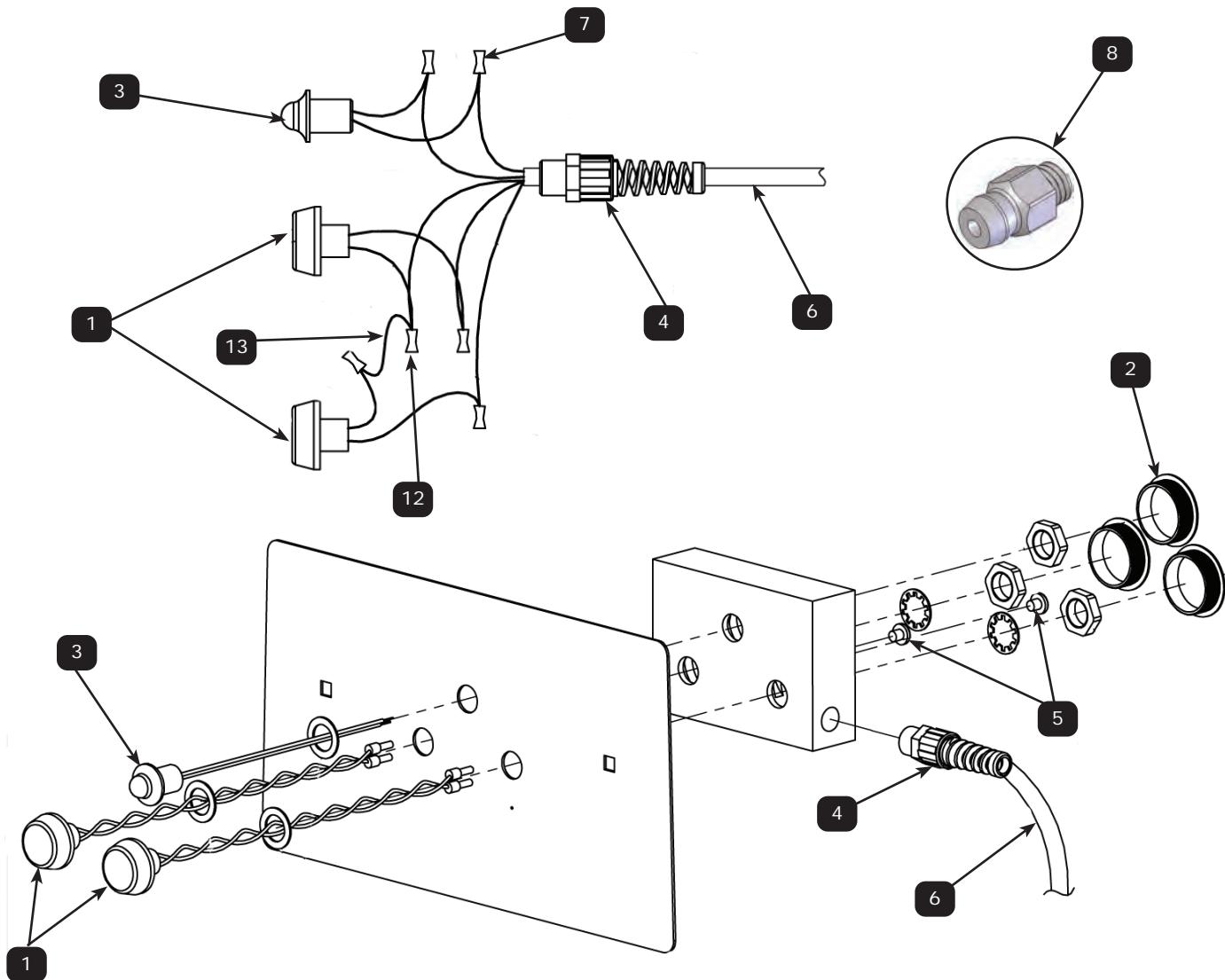
ViewPoint Assembly, Stand-Alone

SECTION D	PAGE 31
EFFECTIVE: 3/22/11	



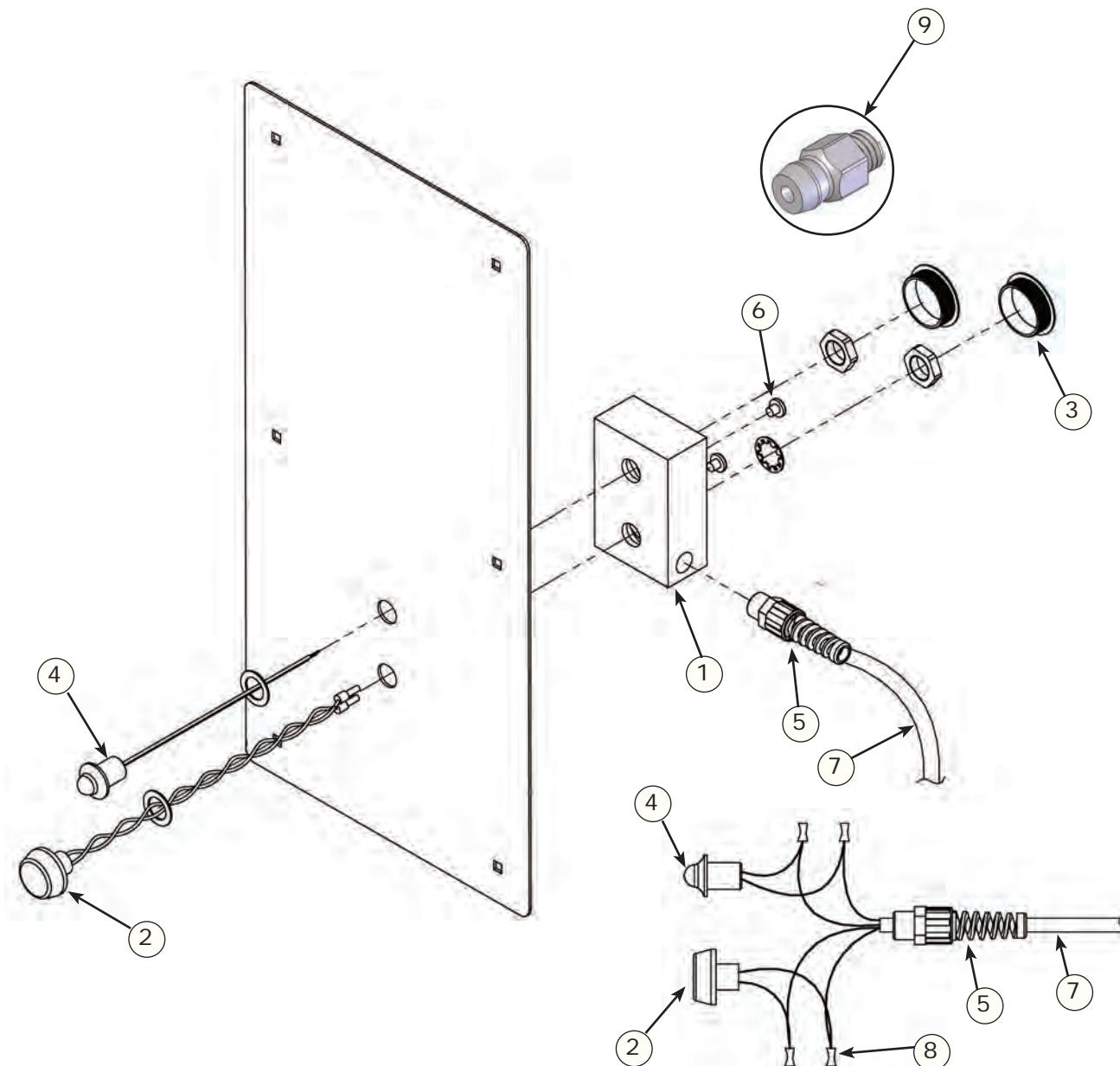
ViewPoint Assembly, Xcalibur Streamline 360EX

ITEM	PART NO.	⊗=Obsolete n/s=Not Shown	DESCRIPTION	QTY REQUIRED (a/r=As Required)	
	3561026		Panel Assy, Xpedia 360EX, V-Pnt, 1SW	1026	
	3561028	⊗	Panel Assy, Xpedia 360EX, V-Pnt, 2SW		1028
1	3557988		Switch, Door, Detacher, SS	1	2
2	3559728		Cap, Remote Attach, PG21	2	3
3	3558005		LED Indicator Assy, Red, 6.0in.	1	1
4	1917572		Conn, Str-Rlf, .20-.27, 1/4 NPT	1	1
5	-----		MSCR, PNH, SS, 10-32 x 3/16	2	2
6	3560947		Cable Assy, LED & 2 Switches, 19in.	1	1
7	3559724		Connector, Splice 22-18AWG	4	5
8	3558019	⊗ n/s	Fitting, Grease, 10-32	a/r	a/r
	3562545		Fitting, Grease, 10-32	a/r	a/r
9	3558018	n/s	Lubricant, Grease, 14 oz.	a/r	a/r
10	-----	n/s	Nut, Hex, Flange, Lck, 1/4-20, SS	2	2
11	-----	n/s	Bolt, CRG, SS, 1/4-20 x 1/2	2	2
12	3559725		Connector, Splice, 14-18AWG	-	1
13	-----		Wire, Strd, 22AWG, Black	-	.5



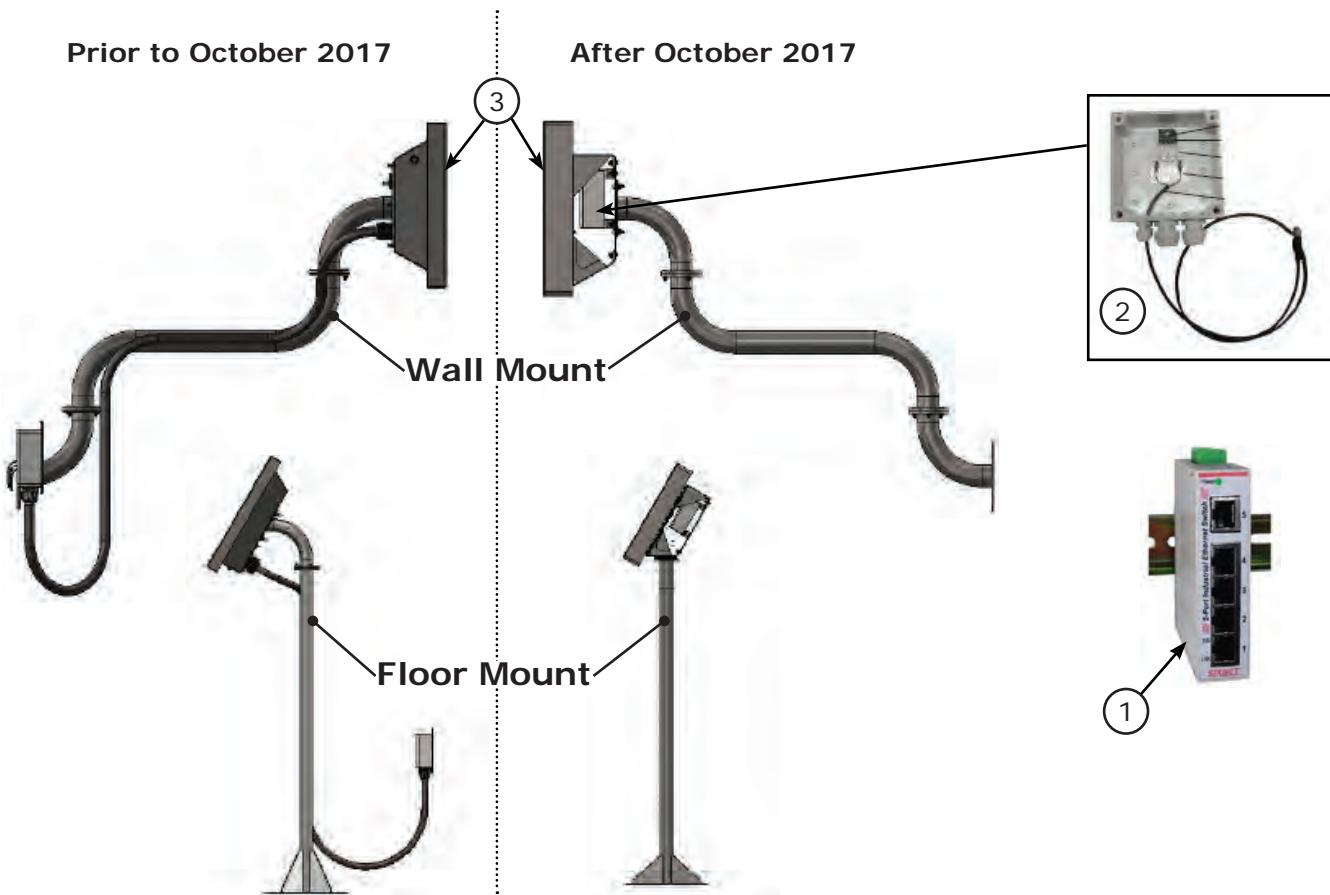
ViewPoint Assembly & Retrofit

SECTION D	PAGE 33
EFFECTIVE: 3/1/17	



ITEM	PART NO.	⊗=Obsolete n/s=Not Shown	DESCRIPTION	QTY REQUIRED (a/r=As Required)		
	3561782		Panel Assy, V-Pnt, 6 x 12	1782		
	3561783		Panel Assy, V-Pnt, 8 x 16		1783	
	3561795		V-Point Assy, Retro-Fit			1795
1	3561015		Enclosure, Switch/LED	1	1	1
2	3557988		Switch, Door Detacher, SS	1	1	1
3	3559728		Cap, Remote Attach, PG21	2	2	2
4	3558005		LED Indicator Assy, Red, 6.0"	1	1	1
5	1917572		Conn, Str-Rlf, .20-.27, 1/3 NPT	1	1	1
6	-----		Mscr, Pnh, SS, 10-32 x 3/16	2	2	2
7	3561781		Cable Assy, V-Pnt, LED/SW, 72"	1	1	1
8	3559724		Connector, Splice, 22-1BAWG	4	4	4
9	3558019	⊗	Fitting, Grease, 10-32	a/r	a/r	1
	3562545		Fitting, Grease, 10-32	a/r	a/r	a/r
10	3558018	n/s	Lubricant, Grease, 14 oz	a/r	a/r	-
11	-----	n/s	Nut, Lock, Elas, SS, 10-24	6	6	-
12	-----	n/s	Bolt, Crg, SS, 10-24 x 5/8	6	6	-

TouchScreen



ITEM	PART NO.	⊗=OBSOLETE n/s=NOT SHOWN	DESCRIPTION	QTY REQUIRED (a/r=AS REQUIRED)
	3560986 ^{1,2}		Kit,Touchscreen,Wall Mount	0986 -
	3560987 ^{1,2}		Kit,Touchscreen,Floor Mount	- 0987
13	3560812	n/s	Switch,Ethernet,UN-MNG,5-PORT	1 1
15	3562622	n/s	Packed Parts, Touchscreen 19" (Order packed parts for individual replacement components.)	1 1
16	3562628 ¹	n/s	Touchscreen,19",S.S.,Complete	1 1
	3562621 ²	n/s	Touchscreen,19", S.S., Software & Cable	1 1
	3561751 ¹	⊗	n/s Touchscreen,19", S.S.	- -

NOTE:

1. PRE-2017

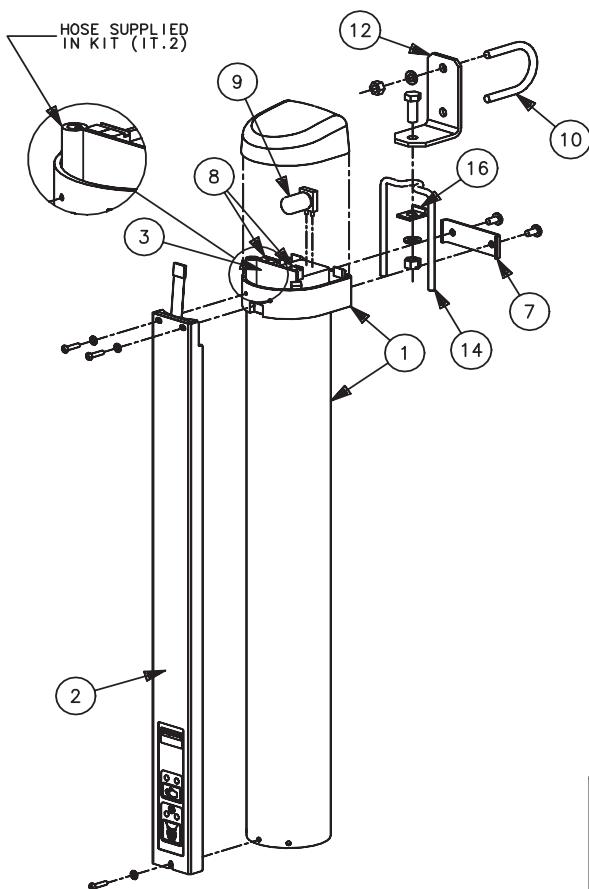
3561751 is no longer available. For installations before 2017, order 3562628 and 3562622 for replacement touchscreen kits. Kit 3562628 includes: mounting bracket (3562625), ethernet cable (3562627), and touchscreen with software (3562626).

2. 2017-Current

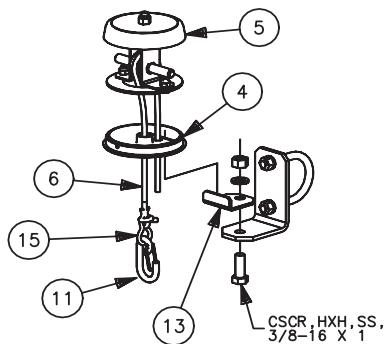
For installations in 2017 and later, order 3562621 for replacement touchscreen kits. Kit 3562621 includes ethernet cable (3562627), and touchscreen with software (3562626).

4000D Detacher

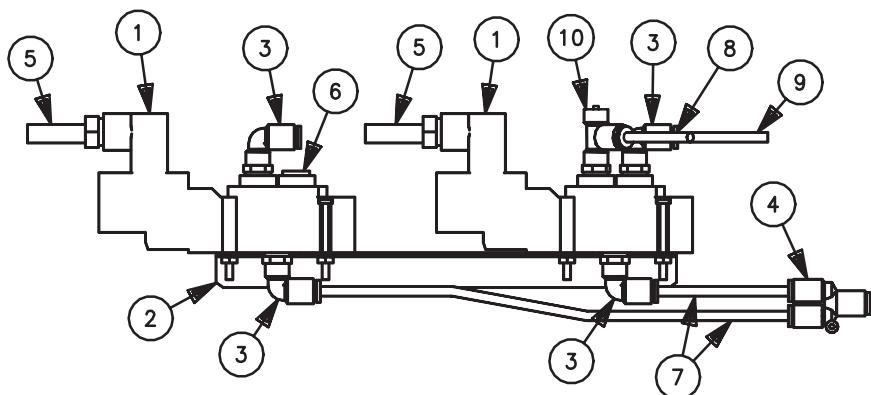
SECTION D PAGE 35
EFFECTIVE: 8/30/12



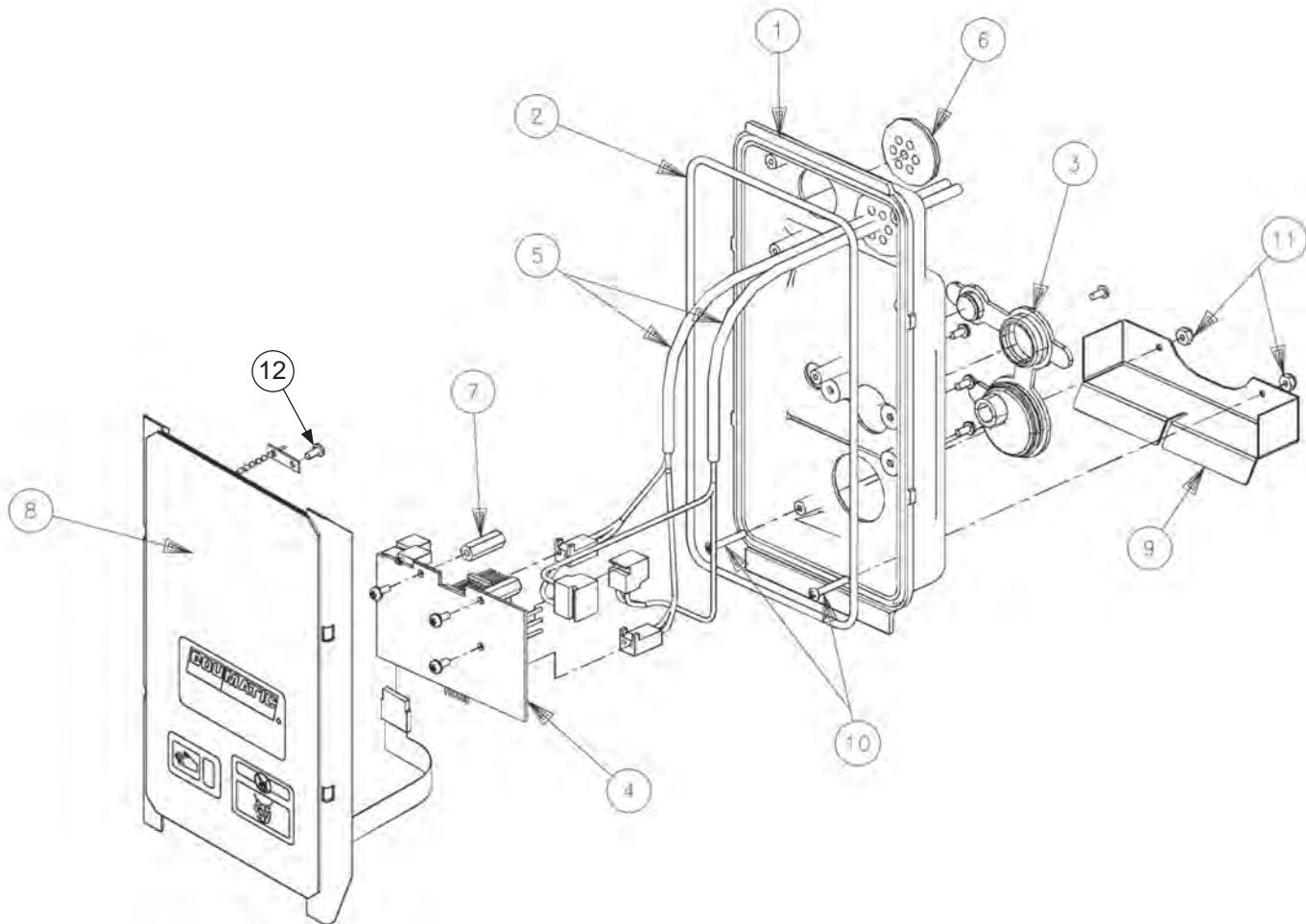
ITEM	PART NO.	DESCRIPTION	QTY REQUIRED (a/r=AS REQUIRED)
	3557070	Detacher, 4000D	-
1	3558002	Cylinder/Top Assy, 4000D (Items 3 & 8 not included)	1
2	3557933	Kit, Flex Switch, 4000D	1
3	3557259	Kit, Repair, Pwb Assy, 4000D	1
4	3556708	Cap, Bottom, Cylinder	1
5	3558610	Piston Assy, Companion (Parts on page D-68 & 69)	1
6	8587717	Rope, Dyneema, 1/8" x 100'	a/r
7	3557093	Bracker, Mtg, Top	1
8	1917630	Connector, Term Strip, 2-P	3
9	3557052	Valve Assy, Solenoid	1
10	3555958	U-Bolt, SS, 5/16-18 x 2-1/2	2
11	3556991	Snap, Spring, SS, Looped	1
12	3557017	Bracket, Mtg, 4000D	2
13	3557150	Bracket, Mtg, Lower, 4000D	1
14	3557170	Wireform, Mtg, 4000D	1
15	8516326	Link, Break-Away, .148	1
16	3557360	Clip, 4000D Mtg	1
17	3557246	n/s Power Supply Assy, 24 VDC, 2.7A (Parts on page D-37)	a/r
18	-----	Literature 9ES-758 (Installation & Operating Instructions)	ref



ITEM	PART NO.	DESCRIPTION	QTY REQUIRED (a/r=AS REQUIRED)
	3557426	Valve Assy, Dual, Air, In Line	-
1	3557108	Valve, 4-way, Air, Low Power	2
2	3557780	Bracket, Mtg, Valve, In Line	1
3	3554451	Conn, Swl, Elb, 5/32 OD x 1/8 NPT	4
4	8507088	Conn, Push, Union Y, 5/32	1
5	3557112	Hose, Silicone, 0.93 x .06	a/r
6	1431240	Plug, Hex Hd, Brass, 1/8	1
7	3554439	Hose, Nylon, Blk, 5/32 OD x 100 Ft	a/r
8	3554440	Hose, Nylon, Grn, 5/32 OD x 100 Ft	a/r
9	3554174	Hose, Nylon, Red, 5/32 OD x 100 Ft	a/r
10	3554444	Valve, Control, Flow, 1/8 NPT	1



Electronic Assembly 4200 Detachers



ITEM	PART NO.	DESCRIPTION	QTY REQUIRED (a/r=AS REQUIRED)
	3557438	Electronic Assy, 4200D, Rear ACS	438
1	3557917	Enclosure, PWB, Rear Access	1
2	3557142	Gasket, Neo, .125 DIA x 20.50	1
3	3557442	Plug, Enclosure Assy	1
4	3657492	Kit, Pwb Assy, 42-4600, Rear AcS	1
	3557257 ¹	Kit, Repair, PWB Assy, 42/44/4600,	1
5	3557000	Wire Assy, 4200 D (Includes 1 of item 6)	1
6	3556157	Grommet, Multiple, 5/32	2
7	1979719	Spacer, Thd, Hex, 4-40 x .75 Brs	3
8	3558325	Kit, Switch Flex, 4200D	1
9	3557913	Deflector, 4600 Detacher	1
10	1096155	MSCR,PNH, SS, 4-40 x 3/4	2
11	1222376	Nut, Lock, ELAS, SS 4-40	2
12	1027248	Tfscr, Pnh, SS, 4-24 x 1/4	2

Note:

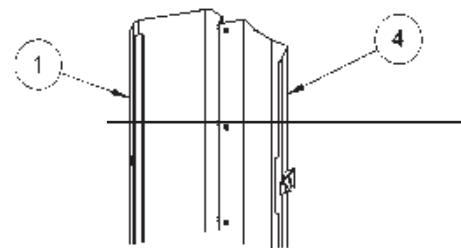
1. For use on detachers without rear access enclosures.

4400 & 4200 Series Detachers

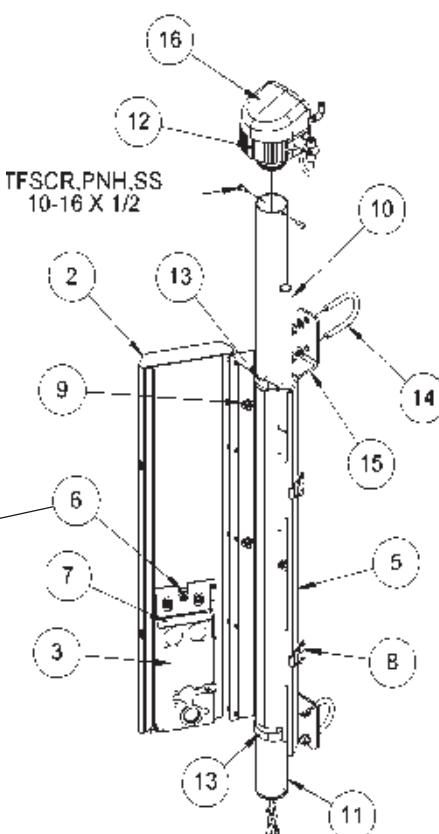
SECTION D	PAGE 37
EFFECTIVE: 1/16/06	

ITEM	PART NO.	DESCRIPTION	QTY REQUIRED (a/r=AS REQUIRED)			
			n/s=NOT SHOWN	n/s=NOT SHOWN	n/s=NOT SHOWN	n/s=NOT SHOWN
	3557411	Detacher, 4200D, w/NIP, Vlv, Pkgd	411	-	-	-
	3557412	Detacher, 4200D, w/Tri, Vlv, pkgd	412	-	-	-
	3557364	Detacher, 4200D, w/Tri, Vlv	364	-	-	-
	3557367	Detacher Assy, 4200D, w/Nipple, Vlv	367	-	-	-
	3557558	Detacher, 4200D, Hinge, w/Nip	-	558	-	-
	3557559	Detacher, 4200D, Hinge, Tri	-	559	-	-
	3557448	Detacher, 4400XH, Hinge, Tri	-	-	448	-
	3557447	Detacher, 4400XH, Hinge, w/Nip	-	-	-	447
	3557444	Detacher, 4400D, Hinge, Tri	-	-	-	444
	3557443	Detacher, 4400D, Hinge, w/Nip	-	-	-	443
1	3557009	Wrapper Assy, 4200	1	-	-	-
	3557440	Wrapper & Stud Assy, 44/4600XH	-	-	1	-
2	3557439	Wrapper & Stud Assy, 42/44/4600D	1	1	1	1
3	3557438	Electronic Assy, 4200D, Rear ACS (Parts on page D-36)	1	1	-	-
	3557425	Electronic Assy, 44/4600D, Rear, ACS (Parts on page D-38)	-	-	1	1
4	3557410	Bracket Assy, 4200 Ext Cyl	1	-	-	-
	3557419	Bracket, Hngd, Long, XH	-	-	1	-
5	3557399	Bracket, Ext Cyl, Hngd, 42/44/4600D	1	1	1	1
6	3557404	Bracket, Enclosure, Pwb	1	1	1	1
	3557916	Bracket & Stud Assy	1	1	1	1
7	3557915	Bracket Mounting, 42/44/4600D	1	1	1	1
8	8515269	Fastener, Link-Lock	2	2	2	2
9	3557407	Clamp, Cable .38, Fin Clip Base	-	4	4	4
10	3557523	Conduit, Flex, Liq-Tite, HFI 3/8	-	a/r	a/r	a/r
11	3557261	Cylinder Assy, Vac 2", SS, w/o Top (Parts on page D-124)	1	1	1	1
12	3557262	Valve Assy, Dual Cylinder (Parts on page D-123)	1	1	1	1
13	8510201	Clamp, Hose, SS, #28, 1.31 - 2.25	4	4	4	4
14	3555958	U-Bolt, SS 5/16 - 18 x 2-1/2	2	2	2	2
15	3554475	Bracket, Mtg, 2101	2	2	2	2
16	4088545	Cover, Air Inj / Detacher Ram	1	1	1	1
17	3557246	Power Supply Assy, 24 VDC, 2.7A (Includes item 17)	a/r	a/r	a/r	a/r
18	3557330	Cord, Power Supply, 24 VDC	1	1	1	1
19	----	Lit. 9ES-750 (Installation Instructions)	a/r	a/r	-	-
	----	Lit. 9E-789 (Installation Instructions)	-	-	a/r	a/r

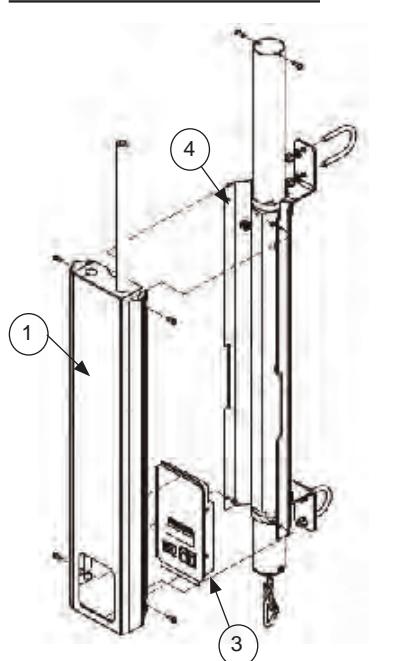
Earlier 4400 Detacher



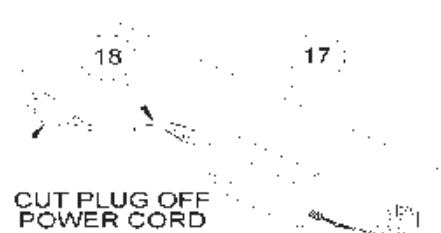
TFSCR,PNH,SS
10-16 X 1/2



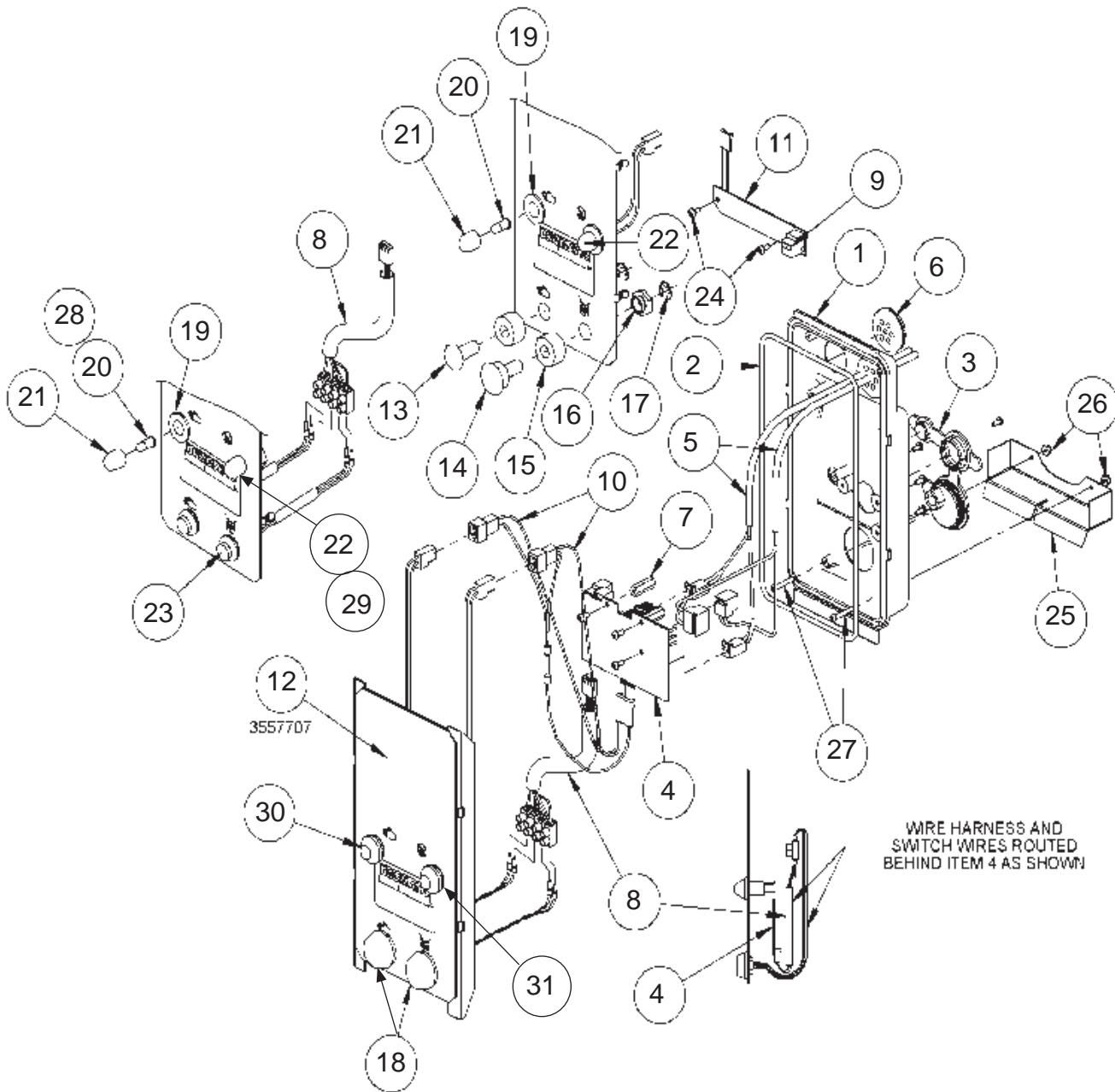
Earlier 4200 Detacher



Earlier 3557404 Bracket



Electronic Assemblies 4400 & 4600 Detachers



ITEM	PART NO.	DESCRIPTION	QTY. REQ. (a/r=AS REQ.)
3557425 <small>⊗=OBSOLETE n/s=NOT SHOWN</small>			
1	3557917	Enclosure, PWB, Rear Access	1
2	3557142	Gasket, Neo, .125 DIA x 20.50	1
3	3557442	Plug, Enclosure Assy	1
4	3657492	Kit, Pwb Assy, 42-4600, Rear Acs (Shown)	1
	3557257 ¹	Kit, Repair, PWB Assy, 42/44/4600,	1
5	3557000	Wire Assy, 4200 D (Includes 1 of item 6)	1
6	3556157	Grommet, Multiple, 5/32	2
7	1979719	Spacer, Thd, Hex, 4-40 x .75 Brs	3
8	3557792	Wire harness, switch, 4000 Series	1
9	1917630	Connector, Term Strip, 2-Pos (2 connectors needed when using switch assemblies item 24)	1
10	3557103	Wire Assy, Lights, 4400D	1
11	3557258 ²	Kit, Repair, PWB Assy, Switches	1
12	3557707	Kit, Conv, 4400/4600 (Includes items 8, 10, 25 & mounting brackets)	1
13	3557091 ²	Plunger Assy, Magnet, Short	1
14	3557088 ²	Plunger Assy, Magnet, Long	1
15	3552012 ²	Retainer, Plunger	2
	3557988	Switch, Detacher, SS	2
16	3552006 ²	Bushing, Plunger	2
17	3550833 ²	Ring, Retaining, Ext E, .31	2
18	3557988	Switch, Door, Detacher, SS	2
19	3557104	⊗ Socket Assy, Lamp, 4"	2
	3554306	Socket Assy, Lamp, 18"	2
20	3551812	Bulb, 28V	2
21	3550804	Lens, Bulb-Holder, Amber	1
22	3550802	Lens, Bulb-Holder, Red	1
23	3557696	⊗ Switch Assy, Door, Detacher	2
24	1027249	⊗ TFSCR, PNH, SS, 4-24 x 3/8	2
25	3557913	Deflector, 4600 Detacher	1
26	1222376	Nut, Lock, ELAS, SS, 4-40	2
27	1096155	MSCR, PNH, SS, 4-40 X 3/4	2
28	1923326 ³	Diode, LED, YEL, 28V	1
29	1923325 ³	Diode, LED, RED, 28V	1
30	3558009 ³	LED Indicator Assy, Yellow, 4"	1
31	3558008 ³	LED Indicator Assy, Red, 4"	1

NOTE:

1. For use on detachers without rear access enclosures.

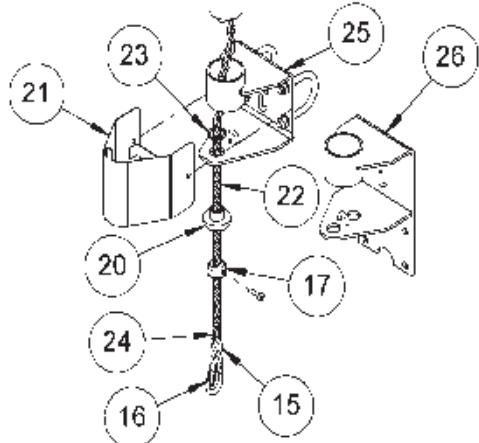
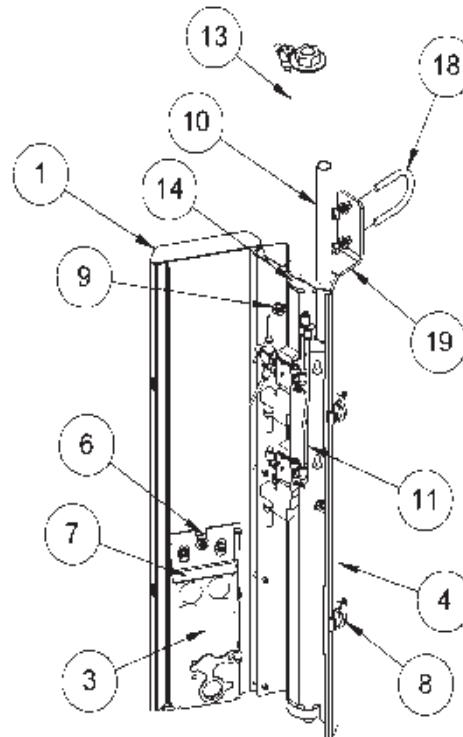
2. Older Switch PWB Repair Kit (3557258) must be used with older style pushbutton components (items 13 thru 17).

3. To use LEDs the electronics control must be manufactured after 3-15-02.

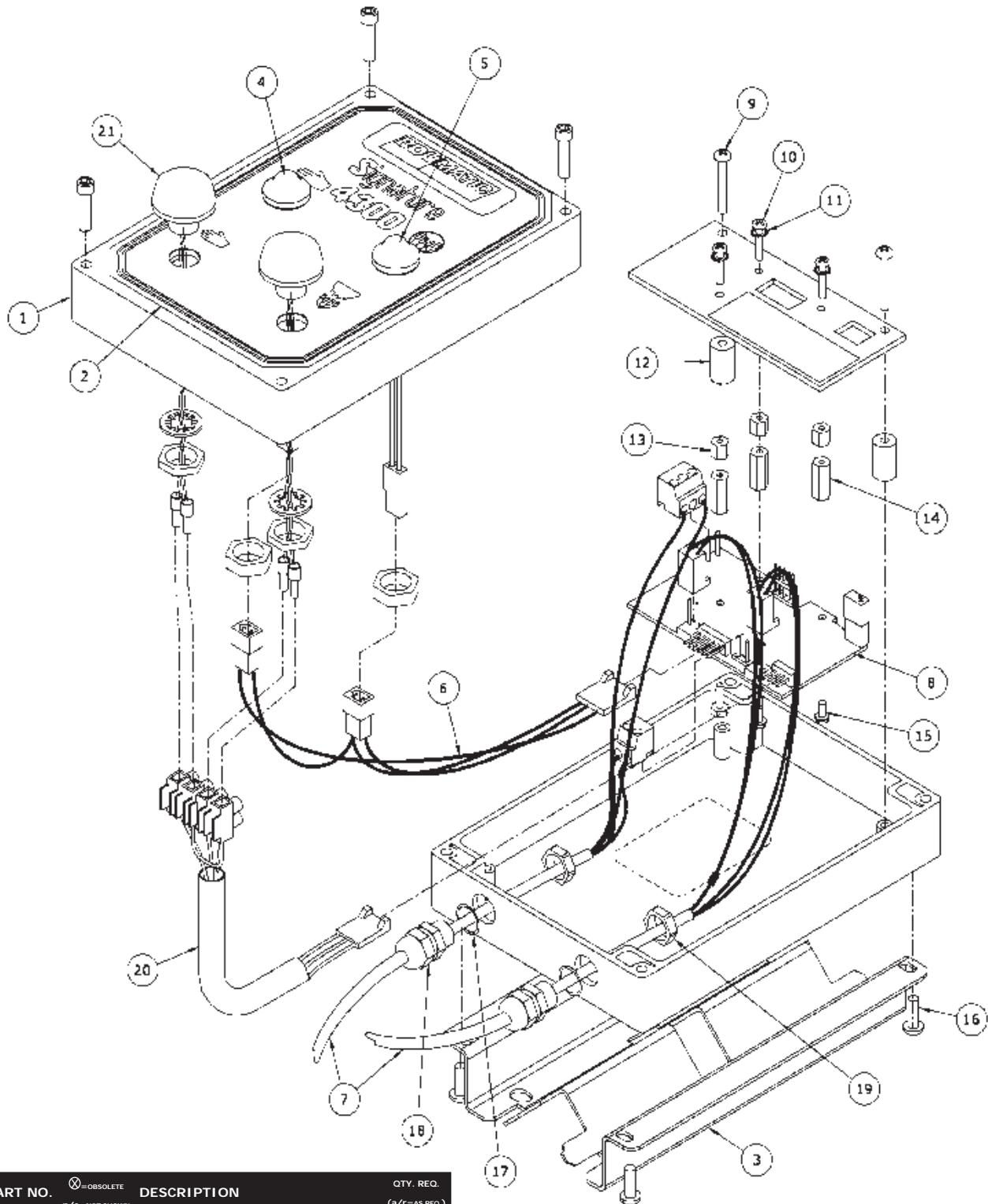
4600 Detacher

SECTION D	PAGE 39
EFFECTIVE: 2/5/11	

ITEM	PART NO.	DESCRIPTION	QTY REQUIRED (a/r=AS REQUIRED)	
			n/s=NOT SHOWN	⊗=OBSOLETE
	3557578	Detacher, 4600D, w/o Arm, Tri	578	
	3557582	Detacher, 4600D, w/o Arm, Nip	582	
	3557579	⊗ Detacher, 4600D, w/ Arm, Tri	-	579
	3557583	⊗ Detacher, 4600D, w/ Arm, Nip	-	583
1	3557439	Wrapper & Stud Assy, 44/4600D	1	1
3	3557425	Electronic Assy, 44/4600D, Rear Acs (Parts on page D-38)	1	1
4	3557399	Bracket, Ext Cyl, Hngd, 44/4600D	1	1
6	3557916	Bracket & Stud Assy	1	1
7	3557915	Bracket, Mounting, 42/44/4600D	1	1
8	8515269	Fastener, Link-Lock	2	2
9	3557407	Clamp, Cable, .38, Fin Clip Base	2	2
10	3557523	Conduit, Flex, Liq-Tite, HFI 3/8	a/r	a/r
11	3557426	Valve Assy, Dual Air, in Line (Parts on page D-35)	1	1
13	3556145	Cylinder Assy, Air (Parts on page D-124)	1	1
14	8510201	Clamp, Hose, SS, #28, 1.31 - 2.25	5	5
15	8516326	Link, Break-Away, .156, Tumbled	1	1
16	3556991	Snap, Spring, SS, Looped	1	1
17	3556426	Stop, Chain	1	1
18	3555958	U-Bolt, SS, 5-16-18 x 2-1/2	3	3
19	3554475	Bracket, Mtg, 2101	1	1
20	3554396	Bushing, Chain, Guide	2	2
21	3552261	Guard Assy, w/ Caution Label	1	1
22	3557646	Chain, Twist-Link, SS, 50 In x .120	1	1
23	3551909	Ring, Retaining, Push-on, Ext-T	2	2
24	3551341	Link, Chain, Connector, SS	2	2
25	3556141	Bracket Assy, Mtg, SS	1	-
26	3556138	Bracket Assy, Mtg, SS	-	1
27	3552226	n/s	Arm Assy, 2100, Flex (Parts on page D-125)	-
28	-----	Literature 9ES-790 (Installation instructions)	a/r	a/r



Control Assembly 4300 Detacher

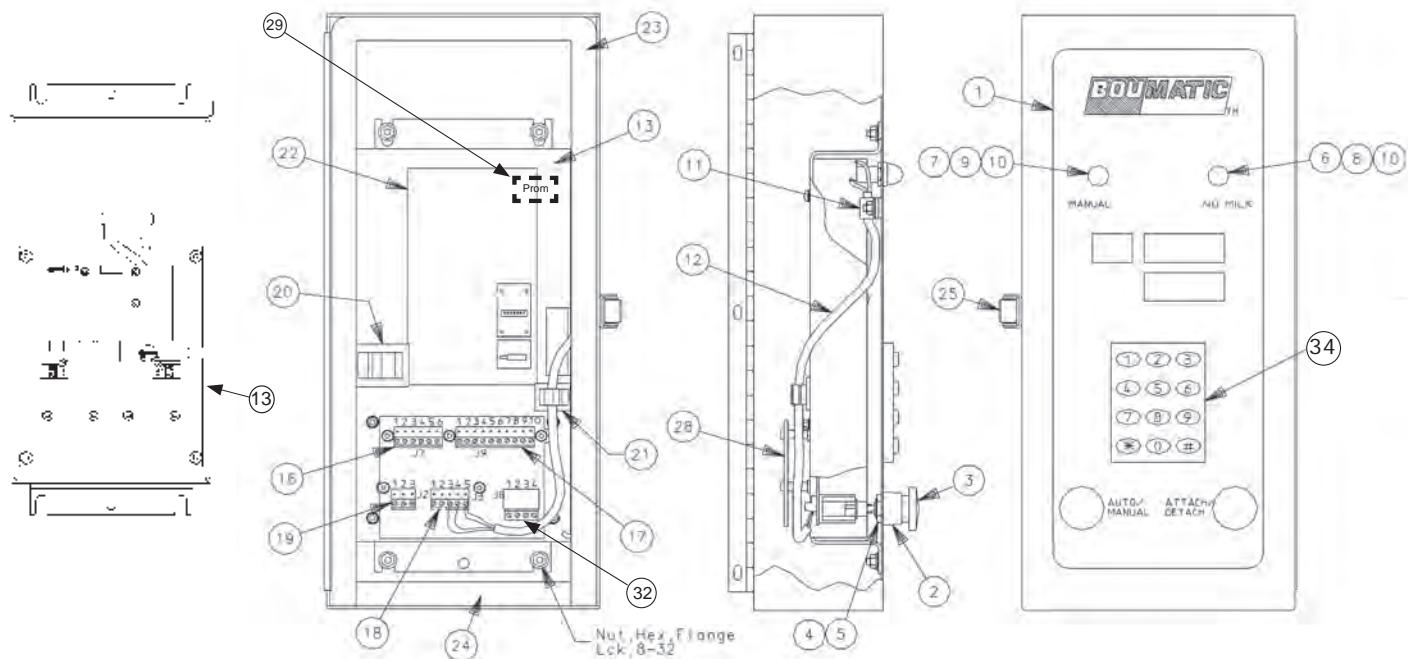


ITEM	PART NO.	DESCRIPTION	QTY. REQ. (a/r=AS REQ.)
		⊗=OBSOLETE n/s=NOT SHOWN	
3558192		Control Assy, Signature 4300	

1	3558137	Enclosure, Signature 4300, w/Holes	1	12	1979607	Spacer, RD, NYL, .14 x .38 x .62	2
2	3558130	Label, Signature 4300	1	13	1979724	Spacer, THD, HEX, 4-40 X 5/8	3
3	3558185	Bracket, Parlor companion	1	14	1979723	Spacer, THD, HEX, 4-40 X .625, AL	3
4	3558009	LED Indicator Assy., Yellow, 4"	1	15	1098149	MSCR, PNH, SS, SEMS, 4-40 X .25	2
5	3558008	LED Indicator Assy., Red, 4"	1	16	1098181	MSCR, PNH, SS, SEMS, 8-32 X 1/2	4
6	3557103	Wire Assy, Lights, 4200 D	1	17	3557816	O-Ring, 0.390 x .060, Buna-N	2
7	3557000	Wire Assy, 4200 D	1	18	1917500	Conn, STR-RLF, .11-.25, PG7	2
8	3657492	⊗ Kit, PWB ASSY, 42-4600, Rear ACS	1	19	1917560	Conn, Dome, Nut, PG7	2
9	1027261	TFSCR, PNH, SS, 6-20 X 1	2	20	3557792	Wire Harness, Switches, 4000 Series	1
10	1096154	MSCR, PNH, SS, 4-4- X 5/8	3	21	3557988	Switch, Door, Detacher, SS	2
11	1249397	Washer, Lock, Ext-TSS, #4	3	22	-----	Literature 9E-814	ref

Cover Assemblies 3000 Series Detachers

SECTION D	PAGE 41
EFFECTIVE: 5/18/20	



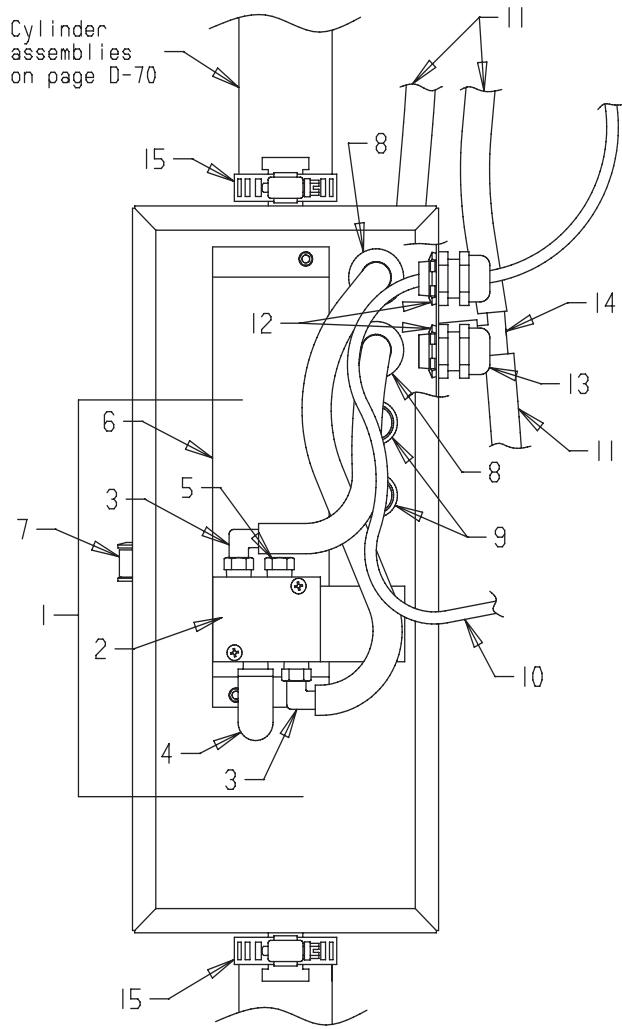
ITEM	PART NO.	DESCRIPTION	QTY REQUIRED (a/r=AS REQUIRED)	X = OBSOLETE n/s = NOT SHOWN	
				n/s	n/s
	3556114	○ Cover Assy, 3000D, D/O	114		
	3556115	○ Cover Assy, 3000M, D/M	124		
1	3556158	○ n/s Label, Cover, 3000D Series	1	-	
	3556159	Label, Cover, 3000M Series	-	1	
2	3552012	○ Retainer, Plunger	2	2	
	3557988	Switch, Detacher, SS	2	2	
3	3556170	Button, Detacher (.1125 Dia Head)	2	2	
	3556986	Button, Detacher (.875 Dia Head)	2	2	
4	3552006	Bushing, Plunger	2	2	
5	3550833	Ring, Retaining, SS	2	2	
6	3555919	○ Socket Assy, Lamp, Red	1	1	
	3554306	Socket Assy, Lamp, 18"	1	1	
7	3555918	○ Socket Assy, Lamp, Orange	1	1	
	3554306	Socket Assy, Lamp, 18"	1	1	
8	3550802	Lens, Bulb-Holder, Red	1	1	
9	3550804	Lens, Bulb-Holder, Amber	1	1	
10	3551812	Bulb, 28V	2	2	
11	1979202	Clamp, Cable, 1/4 ID x .38	1	1	
12	1939519	Insulator, Sleeve, PVC, 03	a/r	a/r	
	3655809	○ *PWB & Brkt, D/O w/CBL	1	-	
	3558301	*PWB & Brkt,D/O, DDSS w/SS, SW	a/r	a/r	
	3558936 ⁴	○ Pwb & Brkt Assy, D/O, Upgrade to 4000	1	-	
13	3656388	○ *PWB&Brkt Assy,D/Mtr, Prec, w/Cbl	-	1	
	3656389	*PWB & Brkt Assy, D/M, Perf	-	1	
	3557708 ⁴	*PWB & Brkt Assy, D/M, Perf (SS Switch)	-	1	
	3558958	PWB&BKT ASSY,DET,4000 SERIES	1	-	
14	1917630	n/s Connector, Term, Strip, 2-Pos	1	-	
15	1917635	n/s Connector, Term, Strip, 7-Pos	1	-	
16	1917634	Connector, Term, Strip, 6-Pos	-	1	
17	1917638	Connector, Term, Strip, 10-Pos	-	1	
18	1917633	Connector, Term, Strip, 5-Pos	-	1	
19	1917631	Connector, Term, Strip, 3-Pos	-	1	
20	1914004	Clamp, Cable, 3/4 Dia, Adh	1	1	
21	1914002	Clamp, Cable, 3/8 Dia, Adh	1	1	

22	3554999	○ Label, Wiring Dia, Det/Only, DDSS	1	-
	3556364	○ Label, Wiring, Det/Meter, Perf	-	1
23	3556160	Gasket, Neo, .25 x .50 x 36.90	1	1
24	3556407	Gasket, Neo, .25 x .50 x 5.75	1	1
25	3556167	Latch, Hook, Spring, Short	1	1
	- - -	Literature 9E-615	a/r	-
26	- - -	Literature 9ES-764 (Installation Instructions)	-	a/r
27	3554881	Label, Cow Parameter Codes	-	1
28	3556979	Retainer, PWB, Det/Meter	1	1
	3656241 ¹	○ n/s *Prom Assy, Det/Meter, Prec	-	1
	3656410 ²	*Prom, D/M, Perf (Non-Smart ID, 2.xx)	-	-
29	3659178 ³	*Prom, W/O Carrier, D/M, Perf (2.xx)	-	-
	3656846 ²	*Prom, D/M, Perf (Smart ID, 5.xx)	-	-
	3659179	*Prom, W/O Carrier, D/M, Perf (5.xx)	-	-
31	3558373	○ Kit, Repair, Buttons, Prec DET (Includes 1 each of items 2,4,5 and/or 3 [3556986])	a/r	a/r
32	1916816	Connector, Plug	1	1
	- - -	Literature 9ES-681 (3000D)	a/r	-
	- - -	Literature 9E-682 (3000M)	-	a/r
33	- - -	Literature 9ES-683 (3200D)	a/r	-
	- - -	Literature 9E-684 (3200M)	-	a/r
	- - -	Literature 9ES-685 (3400D)	a/r	-
	- - -	Literature 9ES-686 (3400M)	1	a/r
	- - -	(Detacher Instructions)		
	3555694	Keypad, Oval Key, w/o Cable	a/r	a/r
	3555693	Keypad, Oval Key, w/Lamp	a/r	a/r
	3555692	Keypad, Oval Key, w/o Lamp	a/r	a/r

Note:

1. Used with Pwb & Brkt Assy 3656388 (item 13).
2. Used with Pwb & Brkt Assy 3656389 (item 13).
3. Used with Pwb & Brkt Assy, W/Straight Pin EProm Socket 3657708 (item 13).
4. Requires 2 - SS Switches (3557988), if not already installed. 3558958 is a direct replacement for 3558936.

Detacher Base Assemblies 3000D & 3000M

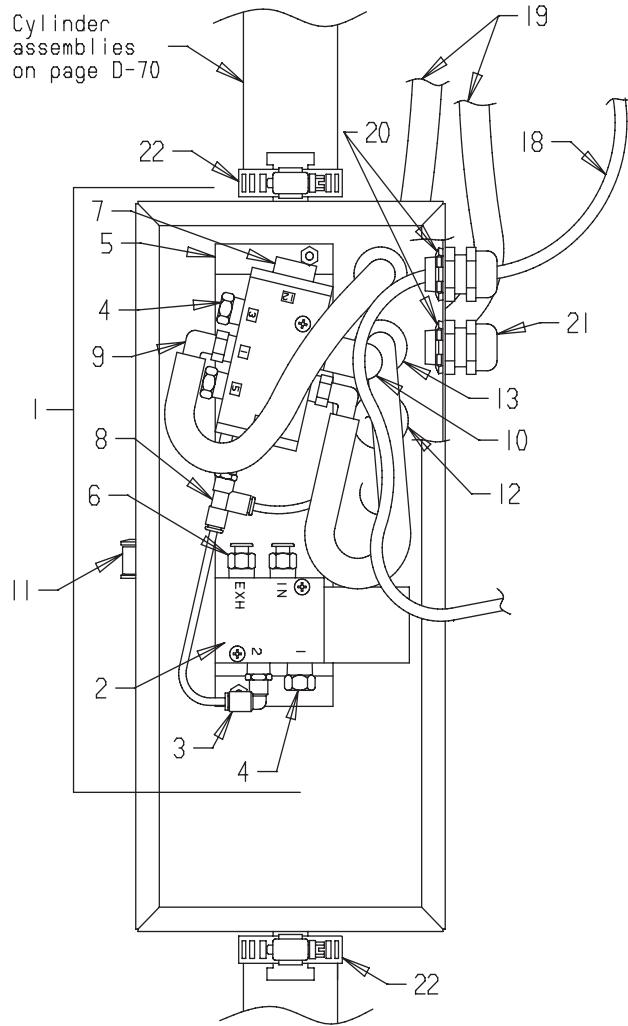


ITEM	PART NO.	DESCRIPTION	QTY. REQ. (n/s=NOT SHOWN)
	3556118	Base Assy, Vac, 3000D	-
	3556121	Base Assy, Vac, 3000M	-
1	3556187	Valve Assy, Solenoid, 3000 (Includes items 2 thru 6)	1
2	3555933	Valve, Solenoid, 24VDC	1
3	3563812	Elbow,90,Nyl,Vac Detach	2
4	8551136	Muffler, Filter, 1/4 NPT	1
5	1431200	Plug, Hex Hd, Brass, 1/4	1
6	3556162	Bracket, Mtg, Valve	1
7	3556161	Keeper, Latch, SS	1
8	4079106	Grommet, .625 x 1.125	2
9	3551755	Plug, Int, Plstc, .88	5
10	3555954 ¹	Cord Assy, Power	1
11	3553786 ¹	Hose, Rbr, .62 x .203W	a/r
12	1917551 ¹	Connector, Dome, Nut, 1/2 NPT	2
13	1917532 ¹	Conn, Str-Rif, .27-.46, 1/2 NPT	1
14	3553791 ¹	Tee, Nyl, 3/8 x 3/8 x 3/8	1
15	8510201 ¹	Clamp, SS, #28, 1.31-2.25	2

Note:

1. These items not included with base assemblies.

Detacher Base Assemblies 3200D & 3200M



ITEM	PART NO.	DESCRIPTION	QTY. REQ. (n/s=NOT SHOWN)
	3556119	Base Assy, Vac, 3200D	-
	3556122	Base Assy, Vac, 3200M	-
1	3556164	Valve Assy, Solenoid/Air, 3200 (Includes items 2 thru 10)	1
2	3555933	Valve, Solenoid, 24VDC	1
3	8507015	Conn, Swl, Elb, 5/32 OD x 1/4 NPT	1
4	1431200	Plug, Hex Hd, Brass, 1/4	3
5	3556162	Bracket, Mtg, Valve	1
6	8507013	Conn, Push, 5/32 OD x 1/4 NPT	2
7	3556163	Valve, Air, 1/4, 5 Port/2 Pos	1
8	3554331	Conn, Swl, Tee, 5/32 x 1/8 NPT	1
9	3563812	Elbow,90,Nyl,Vac Detach	2
10	8551136	Muffler, Filter, 1/4 NPT	1
11	3556161	Keeper, Latch, SS	1
12	3556157	Grommet, 5/32, Multiple	1
13	4079106	Grommet, .625 x 1.125	2
14	3551755	Plug, Int, Plstc, .88	4
15	3554530	Hose, Nyl, Yel, 5/32 OD x 100Ft	a/r
16	3554439	Hose, Nyl, Blk, 5/32 OD x 100Ft	a/r
17	3554115	Hose, Nyl, Nat, 5/32 OD x 100Ft	a/r
18	3555954 ¹	Cord Assy, Power	1
19	8591627 ¹	Hose, Rbr, .62 X .206W,50'	a/r
20	1917551 ¹	Connector, Dome, Nut, 1/2 NPT	2
21	1917532 ¹	Conn, Str-Rif, .27-.46, 1/2 NPT	1
22	8510201 ¹	Clamp, SS, #28, 1.31-2.25	2

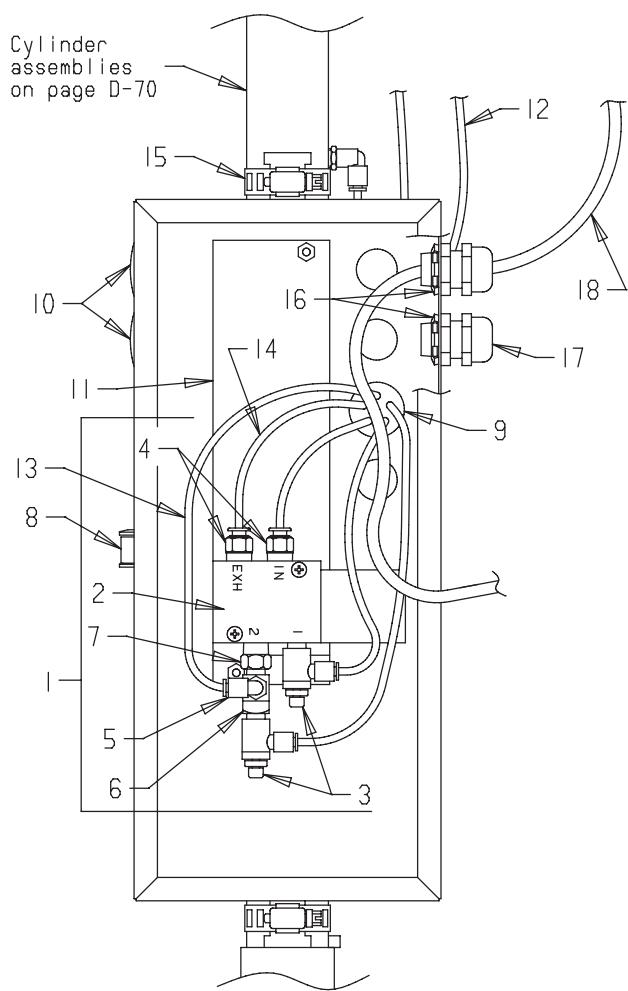
Note:

1. These items not included with base assemblies.

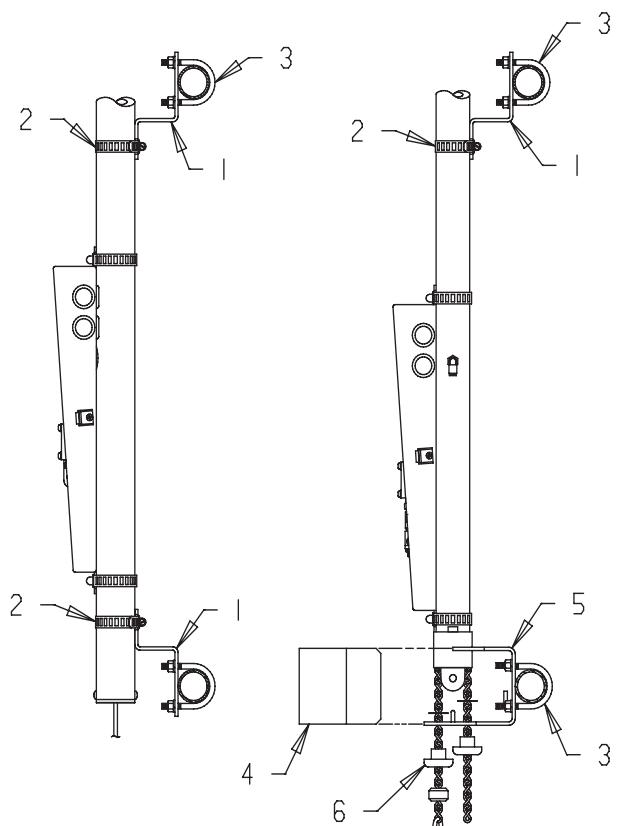
Detacher Base Assemblies

3400D & 3400M

SECTION D	PAGE 43
EFFECTIVE: 4/1/99	



Mounting Hardware 3000 Series Detachers



**3000 & 3200
Detachers**

**3400
Detachers**

ITEM	PART NO.	DESCRIPTION	QTY REQ. (a/r=AS REQ.)
		⊗ =OBSOLETE n/s=NOT SHOWN	
3556117	⊗	Base Assy, Air, 3400D w/o Arm	-
3556120	⊗	Base Assy, Air, 3400D w/Arm	-
3556123	⊗	Base Assy, Air, 3400M w/o Arm	-
3556124	⊗	Base Assy, Air, 3400M w/Arm	-
1	3556013	Valve Assy, Solenoid, 3400 (Includes items 2 thru 7)	1
2	3555933	Valve, Solenoid, 24VDC	1
3	3554444	Valve, Control, Flow, 1/8 NPT	2
4	8507015	Conn, Swl, Elb, 5/32 OD x 1/4 NPT	2
5	3554451	Conn, Swl, Elb, 5/32 OD x 1/8 NPT	1
6	3551712	Tee,Brs, Street, 1/8 NPT	1
7	3551711	Bushing, Hex, Brs, 1/4 x 1/8	2
8	3556161	Keeper, Latch, SS	1
9	3556157	Grommet, 5/32, Multiple	1
10	3551755	Plug, Int, Plstc, .88	6
11	3556162	Bracket, Mtg, Valve	1
12	3554530	Hose, Nyl, Yel, 5/32 OD x 100Ft	a/r
13	3554439	Hose, Nyl, Blk, 5/32 OD x 100Ft	a/r
14	3554115	Hose, Nyl, Nat, 5/32 OD x 100Ft	a/r
15	8510201 ¹	Clamp, SS, #28, 1.31-2.25	2
16	1917551 ¹	Connector, Dome, Nut, 1/2 NPT	2
17	1917532 ¹	Conn, Str-Rif, .27-.46, 1/2 NPT	1
18	3555954 ¹	Cord Assy, Power	1

Note:

1.These items not included with base assemblies.

ITEM	PART NO.	⊗ =OBSOLETE n/s=NOT SHOWN	DESCRIPTION	QTY REQ. (a/r=AS REQ.)
			Detacher Mtg Hardware, 3000 & 3200	-
			Detacher Mtg Hardware, 3400	-
1	3554475		Bracket, Mtg, 1201	2 1
2	8510201		Clamp, SS, #28, 1.31-2.25	2 1
3	3555958		U-Bolt, SS, 5/16-18 x 2-1/2 In	2 2
4	3552261		Guard Assy, w/Caution Label	- 1
5	3556141 or 3556138 ¹	n/s	Bracket Assy, Mtg, SS	- 1
6	3554396		Bracket Assy, Mtg, SS	- 1
			Bushing, Chain Guide	- 2

Note:

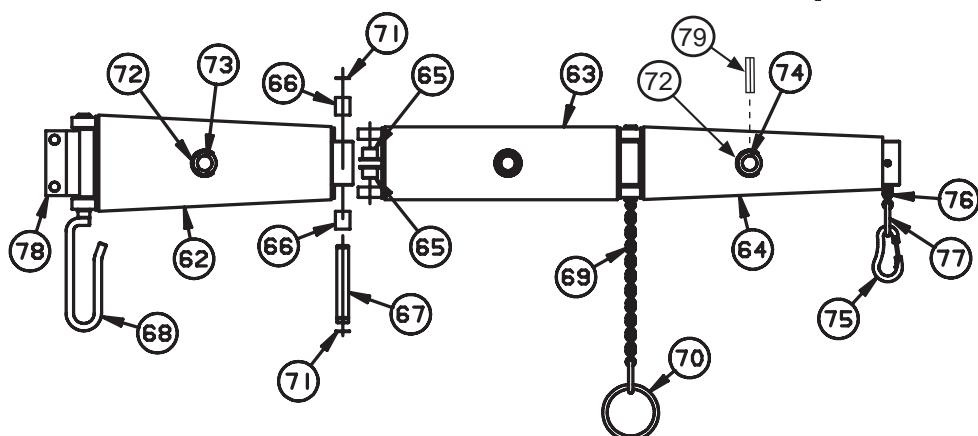
1. Use this bracket assembly when flex arm 3552226 is present.

Model 3800M & 3800D Detachers
3 & 4 Link Detacher Arm

ITEM	PART NO.	DESCRIPTION	QTY REQ. (a/r=AS REQ.)						
		⊗ = OBSOLETE n/s = NOT SHOWN							
3555664	⊗	Detacher Assy, RH, 3800M	664						
3555667	⊗	Detacher Assy, LH, 3800M (shown)	667						
3556001	⊗	Detacher Assy, RH, 3800D	001						
3556002	⊗	Detacher Assy, LH, 3800D	002						
1	3656388	PWB & Brkt Assy, D/Mtr, Prec, w/Cbl	1 -	46	3552006	Bushing, Plunger	2	2	
	3657708 ¹	PWB & Brkt Assy, D/M, Perf (SS Switch)	1 -	47	3550833	Ring, Retaining, Ext, E, .312	2	2	
	3558936 ¹	PWB & Brkt D/O, 4000 Series	- 1	48	3555919	Socket Assy, Lamp, Red	1	1	
	3558958	PWB&BKT ASSY,DET,4000 SERIES	- 1		3558006	LED Indicator Assy, Red, 17"	a/r	a/r	
5	3555922	Label, Cover, 2800M	1 -		3558008	LED Indicator Assy, Red, Molex	a/r	a/r	
	3556006	Label, Cover, 2800M	- 1	49	3555918	Socket Assy, Lamp, Orange	1	1	
6	3555594	Bracket, Guide Tube	1 1		3558009	LED Indicator Assy, Yellow, 14"	a/r	a/r	
7	3555645	Bracket Assy, Pulley Mtg, Cable	1 1		355802	LED Indicator Assy, Yellow, Molex	a/r	a/r	
8	3555598	Bracket Mtg, Cyl Pulley	1 1	50	3550802	Lens, Bulb-Holder, Red	1	1	
9	3555657	Bracket Assy, Pulley Mtg, Chain	1 1	51	3550804	Lens, Bulb-Holder, Amber	1	1	
	8509643	Cylinder, Air, 1.50 x 12.00	1 1	52	3551812	Bulb, 28V	2	2	
10	3555828	Guide, Tube	2 2	53	3555926	Gasket, Neo, .25 x .63, 5.56	2	2	
11	3555659	Tube Assy, 2800	1 1	54	3555927	Gasket, Neo, .25 x .63, 75.85	2	2	
12	3555618	Weight, Counter	1 1	55	3556108	Mounting Assy, Arm (Includes items 56 & 57)	1	1	
13	3555621	Bushing, Counterweight	1 1		56	3555890	Mount Assy, Arm	1	1
14	3556143	Block, Guide	2 2		57	3555879	Tension Plate Assy	1	1
15	3555650	Pulley, Guide, Cable	1 1		58	355589	Mount Assy, w/Spring, Arm	1	1
16	3555658	Pulley, Guide, Chain	3 3	59	3555841	n/s Bracket, Mtg	4	4	
17	3555822	Cylinder, Air, 1.50 x 12.00	1 1	60	3555916	Guide, Chain, Top	1	1	
18	3555670	Chain, Twist-Line, SS, 80.5 In	1 1		3555972	Arm Assy, 4-link	972		
19	3551341	Link, Chain-Connector, SS	1 1		3556473	Arm Assy, 3-Link	473		
20	8570070	Cable, Aircraft, 1/8 Dia	a/r a/r	62	3555903	Link 1 Assy, Arm	1	-	
21	3554451	Conn, Swl, Elb, 5/32 OD x 1/8 NPT	3 3		3556472	Link 1 Assy, 3-Link	-	-	
22	3551895	Clamp, Cable, 1/8, Crimp	1 1	63	3555902	Link 2 & 3 Assy, Arm	1	-	
23	3555611	Weight, Extension	1 1		3556471	Link 2 Assy, 3-Link	-	1	
24	3555928	Pin, Clevis, SS, .25 x .875	1 1	64	3555900	Link 4 Assy, Arm	1	-	
25	3554469	Grommet, 0.16 ID x 0.25 Mtg x 0.38 OD	3 3		3556470	Link 3 Assy, Arm, 3-Link	-	1	
26	3555671	Grommet, 0.38 ID x 1.13 Mtg x 1.50 OD	2 2	65	3556336	Bearing, Flgd, UHMW, .63 OD x .50 ID	8	6	
27	3555971	Latch, Hook, Spring, Long	2 2	66	3555973	Bearing, Slv, 1/2 x 5/8 x 3/4	8	6	
28	3556013	Valve Assy, Solenoid	1 1	67	3555909	Pin, Pivot Arm	2	1	
		(Includes one of item 21 & items 29 thru 31)		68	3555911	Hood Assy, Arm	1	1	
29	3555933	Valve, Solenoid, 24 VDC	1 1	69	3555584	Pin, Pivot, w/Chain	1	1	
30	3554444	Valve, Control Flow, 1/8 NPT	2 2	70	3551347	Ring, 2 ID x .25, SS	1	1	
31	8507015	Conn, Swl, Elb, 5/32 OD x 1/4 NPT	2 2	71	3555912	Ring, Retaining, Ext, Cres, 0.500	6	6	
32	3554447	n/s Valve Assy, Sensor w/Mtg Brkt (Parts on page D-131)	- 1	72	3555913	Ring, Retaining, Ext, Cres, 1.000	3	3	
33	3553128	Clamp, Cable, 1/2 Dia, Adh	2 2	73	3555907	Bushing, Chain	3	2	
34	1917532	Conn, Str-Rlf, .27-.46, 1/2 NPT	1 1	74	3555908	Bushing, Chain, SS	1	1	
35	8513814	Nut, Lockc, Conduit, 1/2 NPT	1 -	75	3556991	Snap, Trigger, SS	1	1	
	1917551	Connector, Dome, Nut, 1/2 NPT	- 1	76	3555974	Chain, Twist-Link, SS, 4-Link	1	1	
36	3555954	Cord Assy, Power	1 1	77	3551346	Connector, Chain, Cold Shut	2	2	
37	3556157	Grommet, Multiple, 5/32	1 1	78	3555896	Hinge Assy, Arm	1	1	
38	3556161	Keeper, Latch, SS	2 2	79	1293427	Pin, Spring, SS, 3/16 x 1	1	1	
39	3554115	Hose, Nyl, Nat, 5/32 OD x 100 Ft	a/r a/r	80	-----	Literature 9ES-672	ref	-	
40	3554439	Hose, Nyl, Blk, 5/32 OD x 100 Ft	a/r a/r		-----	Literature 9ES-675	-	ref	
		(Installation instructions)							
41	3554530	Hose, Nyl, Yel, 5/32 OD x 100 Ft	a/r a/r	81	3555694	Keypad, Oval Key, w/o Cable	a/r	a/r	
42	3554174	Hose, Nyl, Red, 5/32 OD x 100 Ft	a/r a/r		3555693	Keypad, Oval Key, w/Lamp	a/r	a/r	
43	3554440	Hose, Nyl, Grn, 5/32 OD x 100 Ft	a/r a/r		3555692	Keypad, Oval Key, w/o Lamp	a/r	a/r	
44	3552012	Retainer, Plunger	2 2						
	3557988	Switch, Detacher, SS	2 2						
45	3552013	Plunger, Switch	2 2						

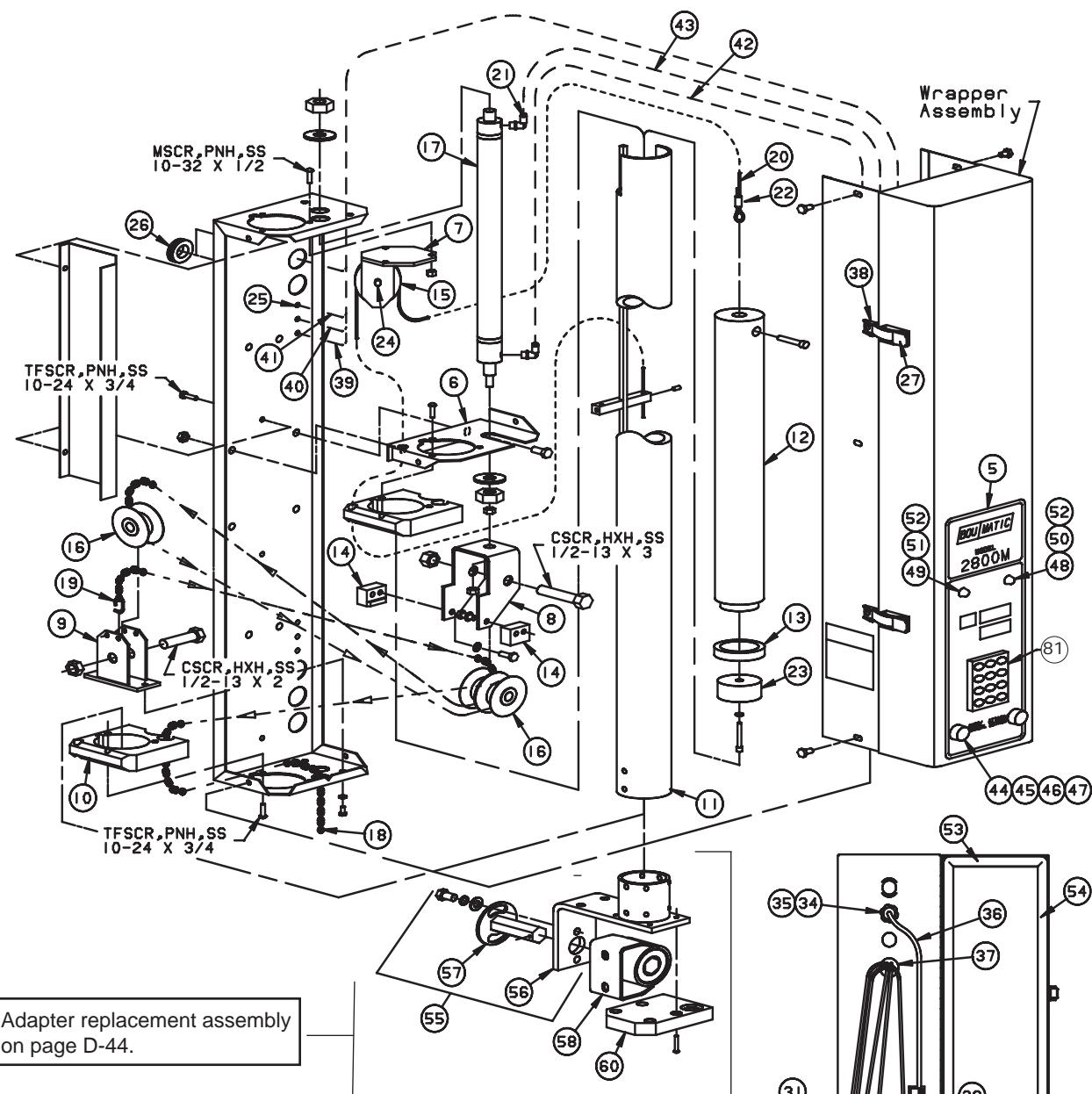
Note:
1. Requires 2 - SS Switches (3557988), if not already installed. 3558958 is a direct replacement for 3558936.

3556473
3 Link Detacher Arm Assembly

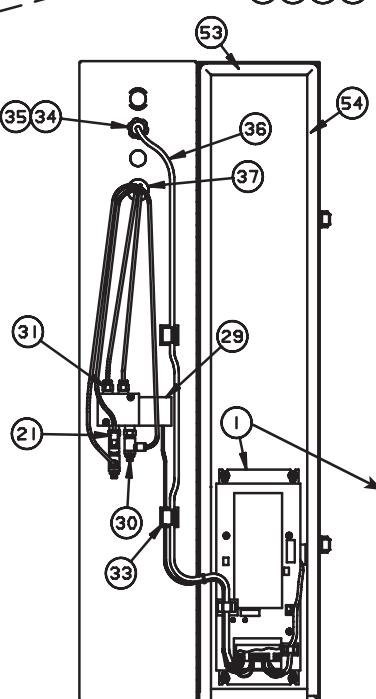
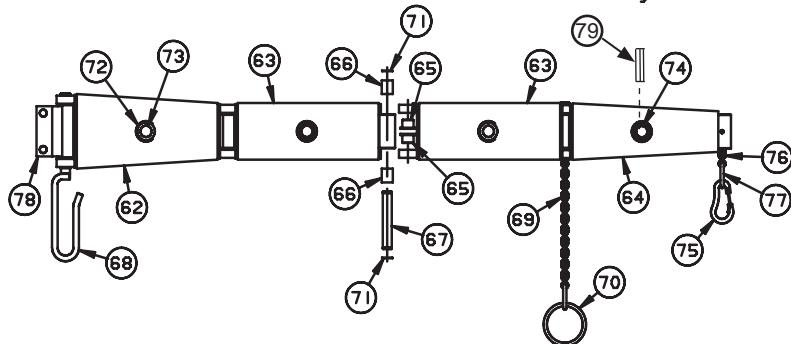


**Model 3800M & 3800D Detachers
3 & 4 Link Detacher Arm**

SECTION D	PAGE 45
EFFECTIVE: 5/18/20	

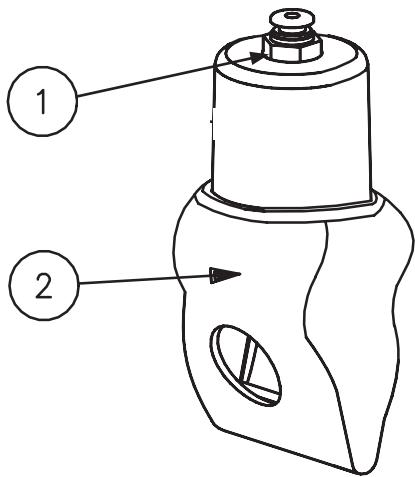


3555972
4 Link Detacher Arm Assembly



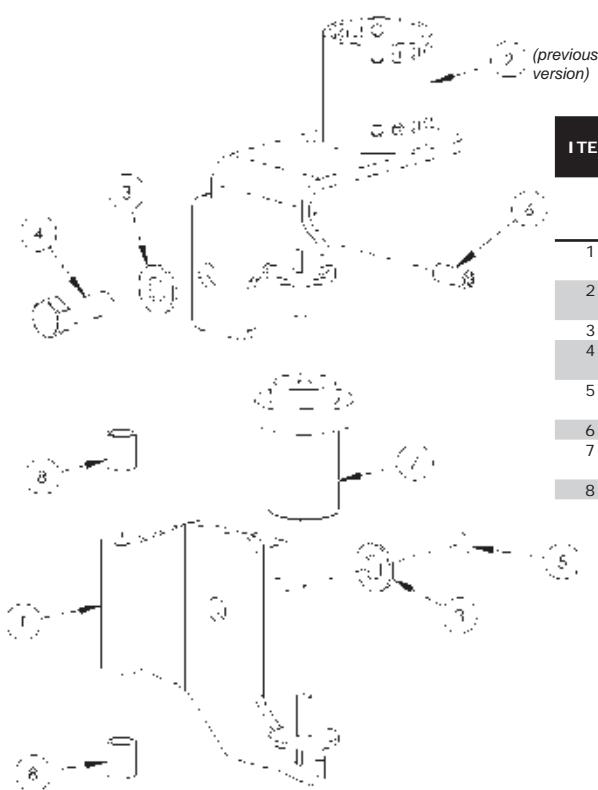
Wrapper Assembly Shown
With Door Open

3/4" Pinch Valve Assembly

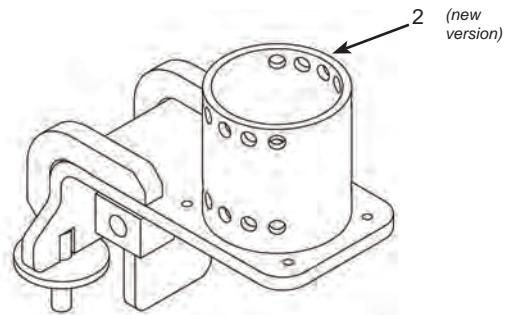


ITEM	PART NO.	DESCRIPTION	QTY REQUIRED (a/r=AS REQUIRED)
	3557771	Valve Assy, Pinch, 3/4"	-
1	3554159	Conn, Push, 5/32 OD x 1/8 NPT	1
2	3557773	Boot, Positioner, 3/4" Pinch Valve	1
3	3557772	n/s Kit, Repair, 3/4" Pinch Valve (Includes seal, springs & item 2)	a/r
4	3557969	n/s Seal, U-Cup, Valve	1

Adapter Assy, 3800, LH and Right



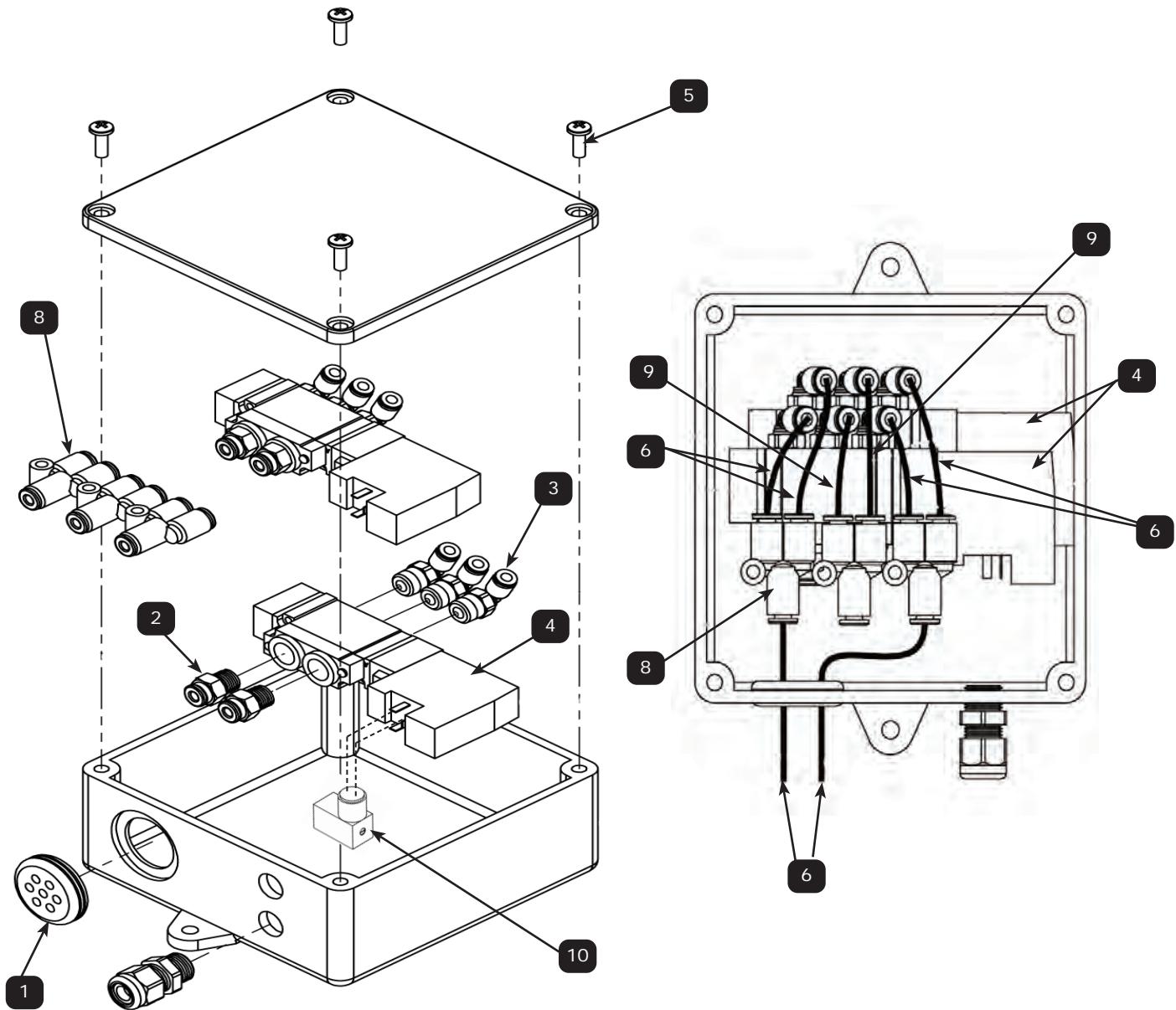
ITEM	PART NO.	DESCRIPTION	QTY REQUIRED (a/r=AS REQUIRED)
	8514169	Adapter Assy, 3800, LH (shown)	4169
	8514170	Adapter Assy, 3800, RH	4170
1	8514173	Bracket Assy, 3800 Arm, Mtg, LH	1 -
	8514174	Bracket Assy, 3800 Arm, Mtg, RH	- 1
2	8514171	Bracket Assy, 3800 Arm, Tube, LH	1 -
	8514172	Bracket Assy, 3800 Arm, Tube, RH	- 1
3	1208390	Washer, Plain, SS, 1/2	1 1
4	1094008	CSCR,HXH,1/2-13 X 1-1/2	1 1
	1091070	CSCR,HXH,SS,1/2-13 X 1-1/2	1 1
5	1222356	Nut,Lock,ELAS,SS,1/2-13 ZP	1 1
	1280356	Nut,Lock,ELAS,1/2-13 ZP	1 1
6	1019048	SSCR, Skt, SS, 3/8 - 16 x 1	1 1
7	8502256	Holder, Probe, 1-1/2 IN	1 1
	8589417	Holder, Probe, 1-1/2 IN	1 1
8	3555973	Bearing, Sleeve, 1/2 x 5/8 x 3/4	2 2



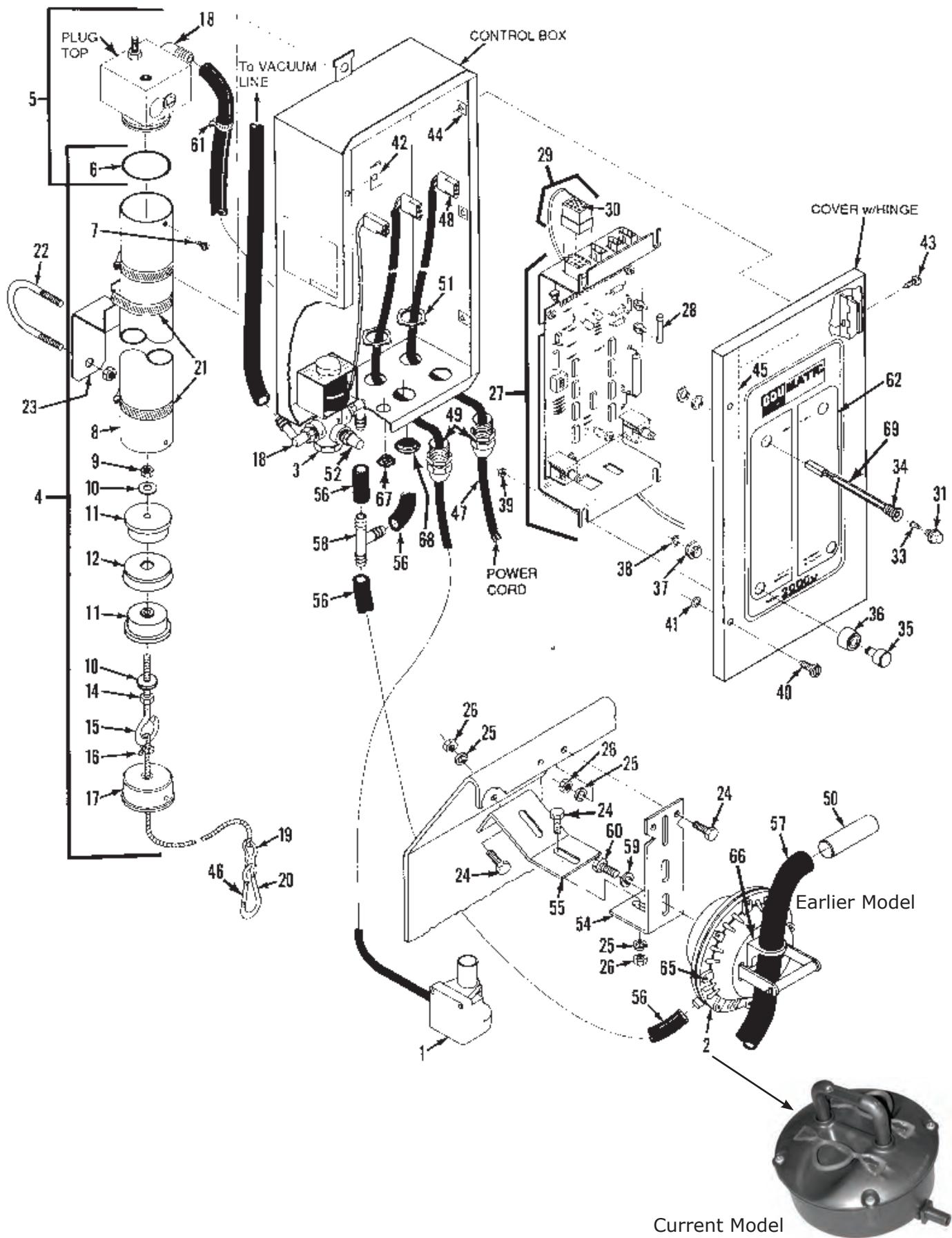
Valve Assembly, 1 & 2 Valve, Air Shut Off

SECTION D	PAGE 47
EFFECTIVE: 10/14/16	

ITEM	PART NO.	DESCRIPTION	QTY REQUIRED (a/r=As Required)	
	3560956	Enclosure Assy, 2 Valve, Air	0956	
	3560105	Enclosure Assy, Valve, Air		0105
1	3556157	Grommet, Multiple, 5/32	1	1
2	3554159	Conn, Push, 5/32 od X 1/8 NPT	4	2
3	3554451	Conn, Swl, Elb, 5/32 OD x 1/8 NPT	6	3
4	3559301	Valve, 4-Way, Air, Low Power	2	1
5	-----	MSCR, PNH, SS, 8-32 od x 1/2	4	4
6	3556248	Hose, Nyl, Blk, 5/32 od X 500	a/r	a/r
7	1917500	Conn, Str-Rlf, .11-.25, PG7	1	1
8	8507088	Conn, Push, Union Y, 5/32	3	-
9	3556251	Hose, Nyl, Nat, 5/32 OD x 500	a/r	-
10	8503751	Connector, Din, Solenoid	1	2



Model 2000V Detacher Assemblies



Model 2000V Detacher Assemblies

SECTION D	PAGE 49
EFFECTIVE: 2/18/20	

ITEM	PART NO.	⊗ = OBSOLETE n/s = NOT SHOWN	DESCRIPTION	QTY. REQ. (a/r = AS REQ.)
	3553717	⊗	Detacher, Model 2000V	-
	3555680	⊗	Detacher, Model 2000V, 3 Min	-
1	3553722		Sensor Assy, Flow	1
2	3553789	⊗	Valve, Shutoff (Includes item 2A, 65 & 66)	1
	24393		Valve, Vacuum Pinch, 5/8" - 3/4" (Replacement for 3553789)	a/r
2A	3553801	n/s	Diaphragm, Shutoff Valve	1
	24395	n/s	Seal,U-cup,Vacuum Pinch Valve	1
3	3553834		Valve Assy, Solenoid, 3-Way (Includes item 3A, 53 and 2 of item 30)	1
3A	3553846	⊗ n/s	Coil Assy, Solenoid Valve, 24VDC (Includes Connector)	1
4	3553719 ²	⊗	Cylinder Assy, Vac, 2 In, SS (Includes items 6 thru 17 & Plug Top)	1
5	3554615		Plug Assy, 2000V & VM (Parts on page D-60. Includes items 6 & 18 and Plug Top)	1
6	3553693		O-ring, 1.674 x .103, Buna-N	1
7	1027275		TFSCR, PNH, SS, 10-16 x 1/2 AB	4
8	3553705		Cylinder, Vacuum, 2 In	1
9	1280352		Nut, Lock, Elas, 1/4-20, ZP	1
10	3553726		Washer, Sealing	2
11	3553708		Piston, Section, Vac Cyl	2
12	3553692		Cup, Piston	1
12	3557216	⊗ n/s	Cup, Piston, Special	or 1
14	1273352		Nut, Hex, 1/4-20	1
15	3553709		Eyebolt, 1/4-20 x 3.75 x .50 x 2.75	1
15	8560742	⊗ n/s	Cord, Braided, Nylon, 3/16 Dia	a/r
16	8580139	⊗ n/s	Rope, AMSteel, 1/8	a/r
16	8587717	n/s	Rope, Dyneema, 1/8" x 100'	a/r
17	3553706		Plug, bottom	1
18	3553790		Elbow, 90, Nyl, 1/4 NPT x 3/8	3
18			Hose	
19	8508268	⊗	Link, Break-Away	1
20	3551342	⊗	Snap, Trigger, SS (Includes item 46)	1
	3556991		Snap, Spring, SS, Looped	1
21	8510201		Clamp, Hose, SS, #28, 1.31-2.25	4
22	8560011		U-Bolt, ZP, 5/16-18 x 2 In	2
23	3554475		Bracket, Mtg, 2101	2
24	1091008		CSCR, HXH, SS, 1/4-20 x 3/4	4
25	1209386		Wshtr, Lock, Hcl Spr, SS, 1/4	4
26	1203352		Nut, Hex, SS, 1/4-20	4
27	3654948	⊗	PWB & Brkt Assy, Det/Only, 3 Min (Includes item 28)	1
28	1931919	⊗	Fuse, 2.00A, 250V, Fast, 1.25 x .25	1
29	3552057	⊗	Wire Assy, Lights, Detacher	1
29	3554453 ¹	⊗	Wire Harness, Lights/Control (Includes Molex Plug and 3 of item 30)	1
30	1916730	⊗ n/s	Conn, Pin, .093, F, 18-22, .06/.12	8
31	3550804		Lens, Bulb-Holder, Amber	1
32	3550802	n/s	Lens, Bulb-Holder, Red	1
	3551812		Bulb, 28V (shown)	2
33	1923325		Diode, LED, Red, 28V	or 1
	1923326		Diode, LED, Yel, 28V	& 1

35	3552013		Plunger, Switch	2
36	3552012	⊗	Retainer, Plunger	2
	3557988		Switch, Detacher, SS	2
37	3552006		Bushing, Plunger	2
38	3550833		Ring, Retaining, Ext, E, .312	2
39	1223378	⊗	Nut, Hex, Flange, Lck, 8-32 ZP	4
40	3551822		Screw, Quick-Open, SS, 12 x 3/4	2
41	3551777		Retainer, Quick-Open, No.12	2
42	3555877		Nut, Quick-Open, No.12, SS	2
	1027275		TFSCR, PNH, SS, 10-16 x 1/2 AB (shown) (Use ONLY with item 44 [3551863])	3
43	1096216		MSCR, PNH, SS, 10-32 x 3/8 (Use ONLY with item 44 [1225380])	3
44	3551863	⊗	Nut, Speed, #10 (shown)	3
	1225380		Nut, Hex, Flange, Lck, 10-32, SS ZP	3
45	3555237	⊗	Kit, Repair, Cover Gasket, Set	2
46	3554458	⊗	Clip, Trigger Snap	2
47	3552539	⊗	Cord Assy, Power (Includes items 48 and 3 of 30)	1
48	1916903		Connector, Recept, FH, 3-Pin	1
49	1917532		Conn, Str-Rlf, .27-.46, 1/2 NPT	2
50	3553772		Tube, SS, .750 x .049 x 2.50	1
51	8513814		Nut, Lock, Conduit, 1/2 NPT	3
52	8551136		Muffler, Filter, 1/4 NPT	1
53	1916902	n/s	Connector, Recept, FH, 2-Pin	1
54	3553805		Bracket, Mtg	1
55	3553806		Bracket, Mtg	1
56	8506805		Hose, Vinyl, .38 x .125W, Blk/Wht (Part No. represents 1 foot)	a/r
57	3553786		Hose, Rbr, .62 x .203W (Part No. represents 1 foot)	a/r
58	3553791		Tee, Nyl, 3/8 x 3/8 x 3/8	1
59	1209388		Wshtr, Lock, Hcl Spr, SS, 3/8	1
60	1091046		CSCR, HXH, SS, 3/8-16 x 3/4	1
61	8510104		Clamp, Hose, SS, #7, .25-.62	1
62	3553737		Label, Cover, 2000V	1
63	-----		Literature 9P-437 (Operator Instructions)	ref
64	-----		Literature 9P-438 (Installation Instructions)	ref
65	8511922	⊗	TFSCR, PNH, Z10, 5mm x 16mm	8
66	3554186		Holder, Hose, Shut-off Valve	1
67	3551754		Plug, Int, Plstc, 0.50	1
68	3551755		Plug, Int, Plstc, 0.88	2
69	3554306		Socket Assy, Lamp (Includes item 34)	2
70	3554901	⊗ n/s	Kit, Valve Assy, 2000VA (Parts on page D-60)	1

Note:

- When replacing Wire Assy 3552057 on earlier versions with Wire Harness 3554453, Bulb Holders must be replaced with Socket Assy's 3554306.
- Petroleum jelly lubricant no longer recommended when assembling item 4. Item 12 (3553692 - Cup, Piston) now comes impregnated with lubricant.

Model 2000VM Detacher Assembly

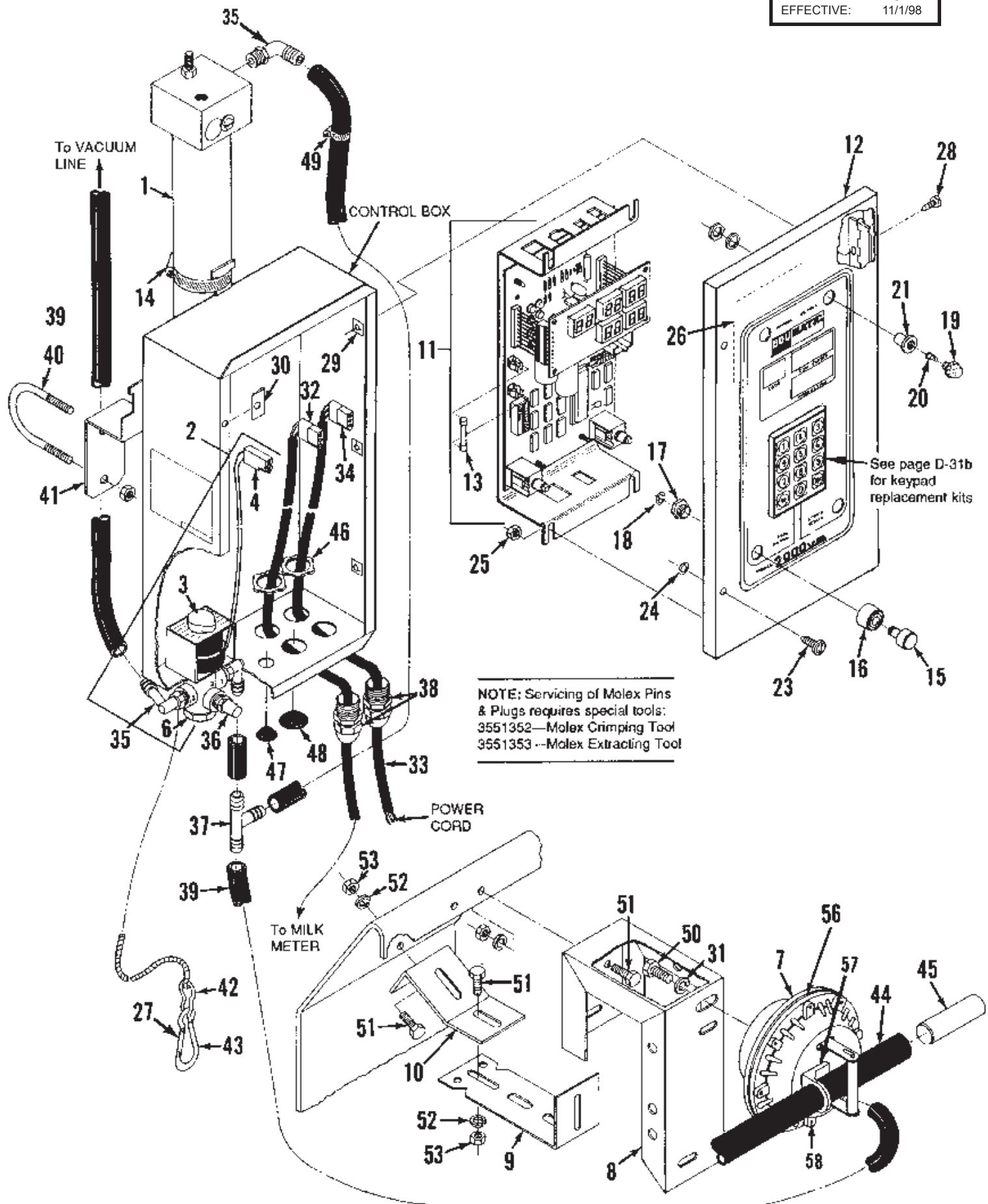
ITEM	PART NO.	DESCRIPTION	QTY. REQ. (a/r=AS REQ.)
⊗=OBsolete n/s=NOT SHOWN		Detacher, Model 2000VM	-
1	3553719	Cylinder Assy, Vac, 2 In, SS (Parts on page D-124)	1
2	3553834	Valve Assy, Solenoid, 3-Way (Includes item 3, 4, 6 and 2 of item 5)	1
3	3553846	Coil Assy, Solenoid Valve, 24VDC (Includes item 4 and 2 of item 5)	1
4	1916902	Connector, Recept, FH, 2-Pin	1
5	1916730	Conn, Pin, .093, F, 18-22, .06/.12	5
6	3553833	Valve, Solenoid, 3-Way	1
7	3553789	Valve, Shut-off (Includes items 56, 57 & 58)	1
7	24393	Valve, Vacuum Pinch, 5/8 - 3/4" (Replacement for 3553789)	a/r
8	3553819	Bracket, Milk Meter	1
9	3553805	Bracket, Mtg	1
10	3553806	Bracket, Mtg	1
11	3656388	PWB & Brkt Assy, D/Meter, Prec, w/ cb1 (Includes item 13. Parts on page D-44)	1
12	3554091 ¹	Panel Assy, 2000VM, w/Kybd (Includes item 13. Parts on page D-44)	1
13	1931919	Fuse, 2.00A, 250V, Fast, 1.25 x .25	1
14	8510201	Clamp, Hose, SS, #28, 1.31-2.25	4
15	3552013	Plunger, Switch	2
16	3552012	Retainer, Plunger Switch, Detacher, SS	2
17	3552006	Bushing, Plunger	2
18	3550833	Ring, Retaining, Ext, E, .312	2
19	3550802	Lens, Bulb-Holder, Red	1
20	3551812	Bulb, 28V	2
21	3550801	Holder, Bulb	2
22	3550804	Lens, Bulb-Holder, Amber	1
23	3551822	Screw, Quick-Open, SS, 12 x 3/4	2
24	3551777	Retainer, Quick-Open, No.12	2
25	1223378	Nut, Hex, Flange, Lock, 8-32 ZP	4
26	3555237	Kit, Repair, Cover Gasket, Set	2
27	3554458	Clip, Trigger Snap	2
28	1096216	MSCR, PNH, SS, 10-32 x 3/8 (Use ONLY with item 29 [1225380])	3
	1027275	TFSCR, PNH, SS, 10-16 x 1/2 AB (shown) (Use ONLY with item 29 [3551863])	3
29	1225380	Nut, Hex, Flange, Lck, 10-32, SS	3
	3551863	Nut, Speed, #10 (shown)	3
30	3555877	Nut, Quick-Open, No.12, SS	2
31	1209388	Wsh, Lock, Hcl Spr, SS, 3/8	1
32	3552550	Cable Assy, M/M, Pre-greased (Parts on page D-130)	1
33	3552539	Cord Assy, Power (Includes items 34 and 3 of item 5)	1
34	1916903	Connector, Recept, FH, 3-Pin	1
35	3553790	Elbow, 90, Nyl, 1/4 NPT x 3/8 Hose	3
36	8551136	Muffler, Filter, 1/4 NPT	1
37	3553791	Tee, Nyl, 3/8 x 3/8 x 3/8	1
38	1917532	Conn, Str-Rlf, .27-.46, 1/2 NPT	2
39	8506805	Hose, Vinyl, .38 x .125W, Blk/Wht (Part No. represents 1 foot)	a/r
40	8560011	U-Bolt, ZP, 5/16-18 x 2 In	2
41	3554475	Bracket, Mtg, 2101	2
42	8508268	Link, Break-Away	1
43	3551342	Snap, Trigger, SS (Includes item 27)	1
	3556991	Snap, Spring, SS, Looped	1
44	3553786	Hose, Rbr, .62 x .203W (Part No. represents 1 foot)	a/r
45	3553772	Tube, SS, .750 x .049 x 2.50	1
46	8513814	Nut, Lock, Conduit, 1/2 NPT	2
47	3551754	Plug, Int, Plstc, 0.50	1
48	3551755	Plug, Int, Plstc, 0.88	2
49	8510104	Clamp, Hose, SS, #7, .25-.62	1
50	1091046	CSCR, HXH, SS, 3/8-16 x 3/4	1
51	1091008	CSCR, HXH, SS, 1/4-20 x 3/4	4
52	1209386	Wsh, Lock, Hcl Spr, Ss, 1/4	4
53	1203352	Nut, Hex, SS, 1/4-20	4
54	- - - -	Literature 9P-448 (Installation & Service Instructions)	a/r
55	- - - -	Literature 9P-447 (Operator's Instructions)	a/r
56	3553801	Diaphragm, Shut-off Valve	1
57	3554186	Holder, Hose, Shut-off Valve	1
58	8511922	TFSCR, PNH, Z10, 5mm x 16mm	8

Note:

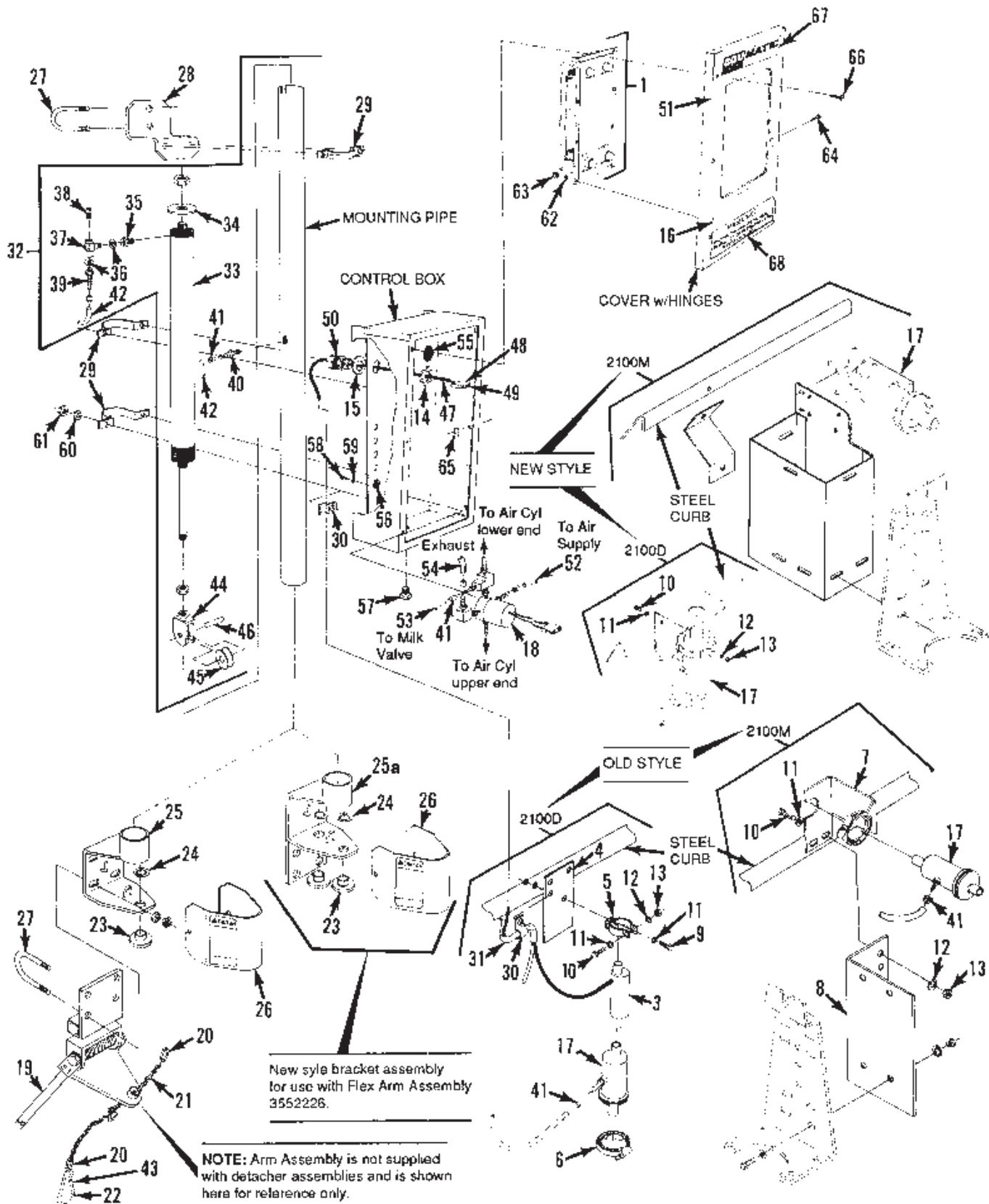
1.When replacing old detacher meter board with this panel assembly, Detacher/Meter Cable Assy (3555276) will also be needed.

Model 2000VM Detacher Assembly

SECTION D	PAGE 51
EFFECTIVE: 11/1/98	



Model 2100D & 2100M Detachers



Model 2100D & 2100M Detachers

SECTION D PAGE 53
EFFECTIVE: 10/15/04

ITEM	PART NO.	QTY REQUIRED (a/r = AS REQUIRED)
	DESCRIPTION	
	3552103	Detacher, Model 2100D (shown)
	3552104	Detacher, Model 2100M
	3553307	Detacher, Model 2100D
	3553313	Detacher, Model 2100M
		13
1	3552253	Control Assy, Detr w/Panel (shown)
	3552265	Control Assy, Detr w/Meter
2	3552550	n/s Cable Assy, M/M, Pre-greased (Parts on page D-130)
3	3552164 ¹	Sensor Assy, Flow (shown)
	3553722 ¹	Sensor Assy, Flow (Parts on page D-130)
4	3552169	Plate, Mounting, Flow-Sensor
5	3552165	Hanger, Conduit
6	8507932	Clamp, Band, SS, 1-1/2
7	3552187	Bracket Assy, Model 2100M
8	3552191	Bracket, Ell, Milk Meter
9	1091010	CSCR, HXH, SS, 1/4-20 x 1
10	1091007	CSCR, HXH, SS, 1/4-20 x 5/8
11	1208386	Washer, Plain, SS, 1/4
12	1209386	Wshr, Lock, Hcl Spr, SS, 1/4
13	1203352	Nut, Hex, SS, 1/4-20
14	8513814	Nut, Lock, Conduit, 1/2 NPT
15	3552168	Gasket, Str-Rel, Connector
16	3552073	Label, Wiring Diag
		1 - 1 -
17	3552682	Valve Assy, Milk (Parts on page D-131)
	3552098	Valve Assy, Sensor, w/Mtg Brkt
18	3552153	Valve Assy, Solenoid, M2100 (Parts on D-130)
19	3552226 ²	Arm Assy, 2100 Flex (Parts on page D-125)
20	3551341	Link, Chain-Connector, SS
21	3552130	Chain, Twist-Link, SS, 50 In
	3557646	Chain, Twist-Link, SS, 50 In x 120
22	3551342	Snap, Trigger, SS (Includes item 43)
	3556991	Snap, Spring, SS, Looped
23	3554396 ³	Bushing, Chain Guide
24	3551909 ³	Ring, Retaining, Push-On, Ext., .75
25	3552125	Bracket Assy, Mounting
25a	3552257	Bracket Assy, Mounting
26	3552261	Guard Assy, w/Caution Label
27	8560011	U-Bolt, ZP, 5/16-18 x 2 In
28	3552143	Bracket, Mtg, Stall
29	3552126	Clamp, U, 1.75 OD Pipe
30	3552157	Clamp, Tube, 3/4 OD, SS
31	3552152	Hose, Rbr, Reinf., .50 x 46.00
32	3552121	Cylinder Assy, Air, 2100 (Includes items 33 thru 46)
33	3552132	Cylinder, Air, 1.50 x 18.00
34	1208392	Washer, Plain, SS, 3/4
		- - - -
35	8551081	Bushing, Brs, 1/8 NPT x 10-32
36	8551087	Gasket, Rbr, .125 ID, Pk of 25 (*No. of gaskets, not packs of 25)
37	8552276	Valve, Shuttle
38	8552262	Screw, Nylon, Metering
39	8551086	Adapter, 1/8 Hosex 10-32, w/Gskt
40	8551082	Adapter, 1/8 Hose x 1/8 NPT
41	8551135	Clamp, Brs, 1/8 Hose
42	8551078	Hose, Polyureth., 12 x .062W, Red
43	3554458	Clip, Trigger Snap
	3552117	Bracket Assy, Pulley
44	3558960	Clevis Assy, Cylinder, Air (Parts on Page D-54)
45	3551872	Pulley, Sgl-Grv, 1.25
46	3552114	Pin, Drive, Model 2100
47	3552539	Cord Assy, Power (Includes items 48 & 49)
48	1916903	Connector, Recept, FH, 3-Pin
49	1916719	Conn, Pin, .093, F, 18-22, .06/.12
	50	n/s Conn, Str-Rlf, .27-.46, 1/2 NPT
51	3555236	Kit, Repair, Cover Gasket, Set
52	8551199	Hose, Polyureth., 12 x .062W, T Yel
53	8551197	Hose, Polyureth., 12 x .062W, Wht
54	8551080	Hose, Polyureth., 12 x .062W, Gra
55	3551755	Plug, Int, Plstc, 0.88
56	4009318	Grommet, 0.25 ID x 0.56 OD
57	3553110	Vent, Breather, 1/8 NPT
58	1096216	MSCR, PNH, SS, 10-32 x 3/8
59	3551201	Washer, Sealing, SS, No.8
60	1209387	Wshr, Lock, Hcl Spr, SS, 5/16
61	1203353	Nut, Hex, SS, 5/16-18
62	1209383	Wshr, Lock, Hcl Spr, SS, #8
63	1204378	Nut, Hex, Mscr, SS, 8-32
64	1027275	TFSCR, PNH, SS, 10-16 x 1/2
65	3551863	Nut, Speed, #10
	1223380 ⁴	n/s Nut, Hex, Flange, Lck, 10-32 ZP
66	1002010	MSCR, RDH, SS, 1/4-20 x 1
67	8506120	Label, Bou-Matic, 2.5 x 6
68	3552195	Label, Model 2100 Detacher
69	1979007	n/s Tie, Cable, 11.50 x 18

Model 2101M Detacher Assembly

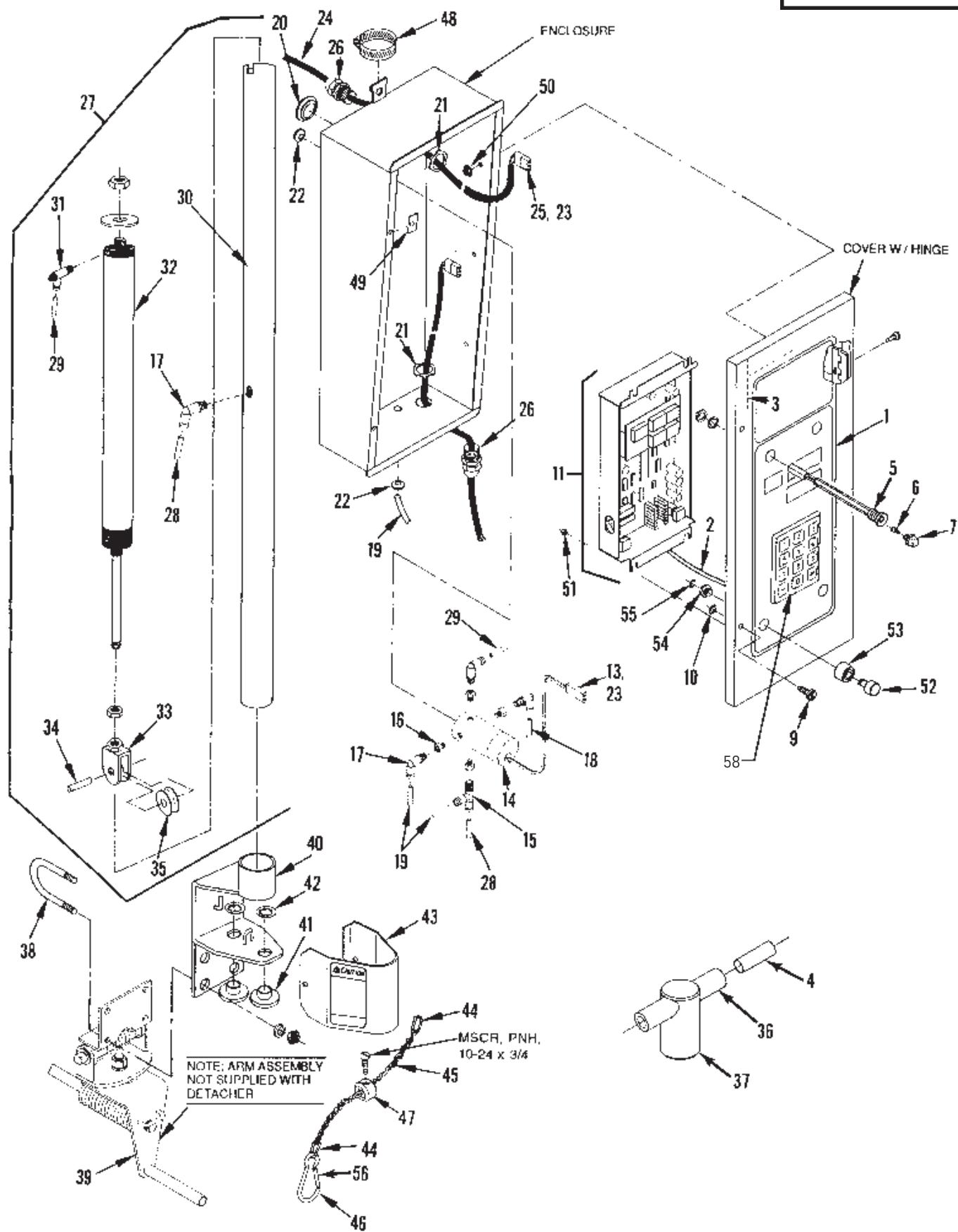
ITEM	PART NO.	DESCRIPTION	QTY .REQ.
		<small>O=OBsolete n/s=NOT SHOWN</small>	<small>a/r=AS REQ.</small>
3554605	⊗	Detacher, Model 2101M	-
1	3554600	Label, Cover, 2101M	1
2	3555273	Keypad, Sqr Key, Cable, w/o Lamp	1
3	3555238	Kit, Repair, Cover Gasket, Set	2
4	3553772	Tube, SS, .750 x .049 x 2.50	1
5	3554306	Socket Assy, Lamp	2
6	3551812	Bulb, 28V	2
7	3550804	Lens, Bulb-Holder, Amber	1
8	3550802	n/s Lens, Bulb-Holder, Red	1
9	3551822	Screw, Quick-Open, SS, 12 x 3/4	2
10	3551777	Retainer, Quick-Open, No.12	2
11	3553462	⊗ PWB & Brkt Assy, Det/Meter (Includes item 12)	1
	3656388	⊗ *Pwb & Brkt Assy, D/Mtr, Prec, w/Cbl (Parts on page D-44)	1
12	1931828	n/s Fuse, 3.00A, 250V, Slow, 1.25 x .25	2
13	1916902	Connector, Recept, FH, 2-Pin	1
14	3552112	⊗ Valve, Solenoid, Model 2100	1
	3555933	Valve, Solenoid, 24 VDC	1
15	3554331	Conn, Push, Tee, 5/32 OD x 1/8 NPT	1
16	3551711	⊗ Bushing, Hex, Brs, 1/4 x 1/8	4
17	3554451	Conn, Swl, Elb, 5/32 OD x 1/8 NPT	4
18	3554115	Hose, Nyl, Nat, 5/32 OD x 100 Ft	a/r
19	3554439	Hose, Nyl, Blk, 5/32 OD x 100 Ft	a/r
20	3551755	Plug, Int, Plstc, 0.88	1
21	8513814	Nut, Lock, Conduit, 1/2 NPT	2
22	3554469	⊗ Grommet, 0.16 ID x 0.38 OD	5
23	1916730	⊗ n/s Conn, Pin, .093, F, 18-22, .06/.12	8
24	3552539	⊗ Cord Assy, Power (Includes item 25 and 3 of item 23)	1
25	1916903	Connector, Recept, 3 Pin, w/Tabs	1
26	1917532	Conn, Str-Rlf, .27-.46, 1/2 NPT	2
27	3554360	⊗ Cylinder Assy, Air, 2101 (Includes items 30-35 and 1 of item 17)	1
28	3554174	Hose, Nyl, Red, 5/32 OD x 100 Ft	a/r
29	3554440	Hose, Nyl, Grn, 5/32 OD x 100 Ft	a/r
30	3552171	Pipe, Mounting, w/Stop Lug	1
31	3554444	Valve, Control, Flow, 1/8 NPT	1
32	3552132	Cylinder, Air, 1.50 x 18.00	1
33	3552117	⊗ Bracket Assy, Pulley	1
	3558960	Clevia Assy, Cylinder, Air	1
34	3552114	Pin, Drive, Model 2100	1
35	3551872	Pulley, Sgl-Grv, 1.25	1
36	3553443	Hose, Rbr, .62 x 6.00	1
37	3554280	⊗ Valve Assy, Pinchoff (Parts on page D-60)	1
38	8560011	U-Bolt, ZP, 5/16-18 x 2 In	2
39	3552226	Arm Assy, 2100 Flex (Parts on page D-125)	1
40	3552257	Bracket Assy, Mounting	1
41	3554396	Bushing, Chain-Guide	2
42	3551909	Ring, Retaining, Push-On, Ext, .75	2
43	3552261	Guard Assy, w/Caution Label	1
44	3551341	Link, Chain-Connector, SS	2
45	3552130	Chain, Twist-Link, SS, 50 In	1
	3557646	Chain, Twist-Link, SS, 50 In x .120	1
46	3551342	⊗ Snap, Trigger, SS (Includes item 56)	1
	3556991	Snap, Spring, SS, Looped	1
47	3556426 ¹	Stop, Chain	1
48	8510201	Clamp, Hose, SS, #28, 1.31-2.25	3
49	3555877	Nut, Quick-Open, No.12, SS	2
50	1223380	Nut, Hex, Flange, Lck, 10-32, ZP	3
51	1223378	Nut, Hex, Flange, Lck, 8-32, ZP	4
52	3552013	Plunger, Switch	2
53	3552012	Retainer, Plunger	2
	3557988	Switch, Detacher, SS	2
54	3552006	Bushing, Plunger	2
55	3550833	Ring, Retaining, Ext, E, .312	2
56	3554458	⊗ Clip, Trigger Snap	1
		Literature 9P-566 (Installation & operation instructions)	ref
57	3555694	Keypad, Oval Key, w/o Cable	a/r
	3555693	Keypad, Oval Key, w/Lamp	a/r
58	3555692	Keypad, Oval Key, w/o Lamp	a/r

Note:

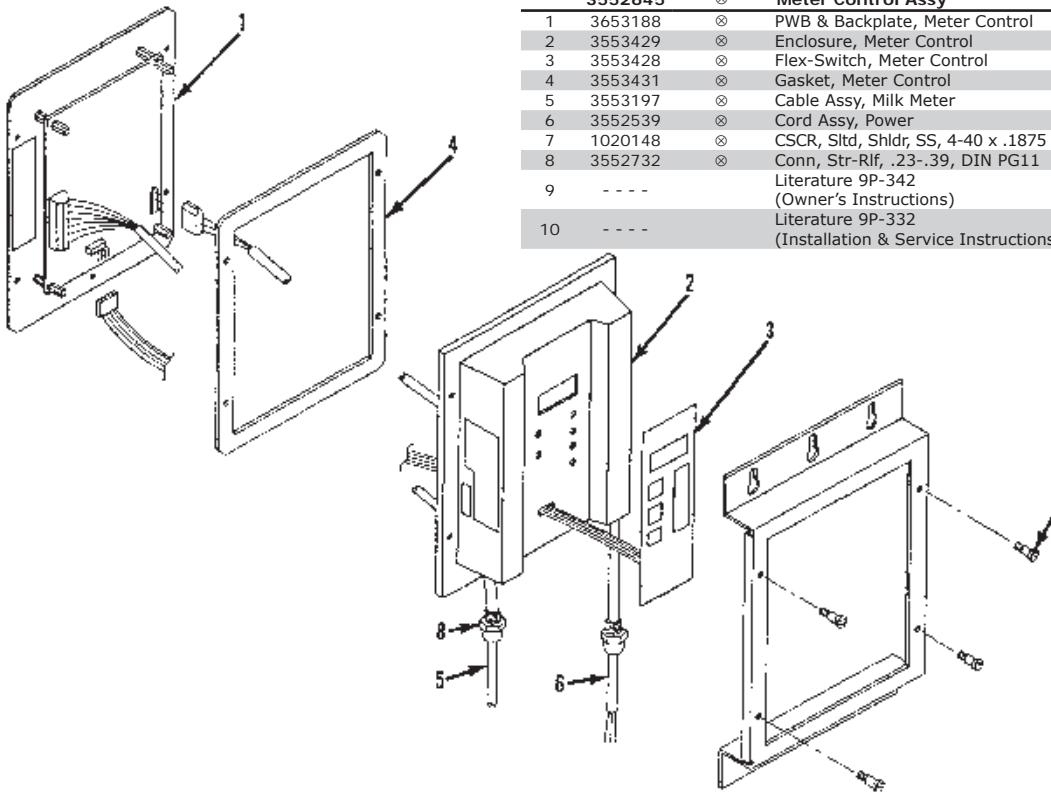
1.Chain Stop replaces Cold Shut Chain Connector on earlier versions.

Model 2101M Detacher Assembly

SECTION D	PAGE 55
EFFECTIVE: 11/1/95	



Meter Control Assembly



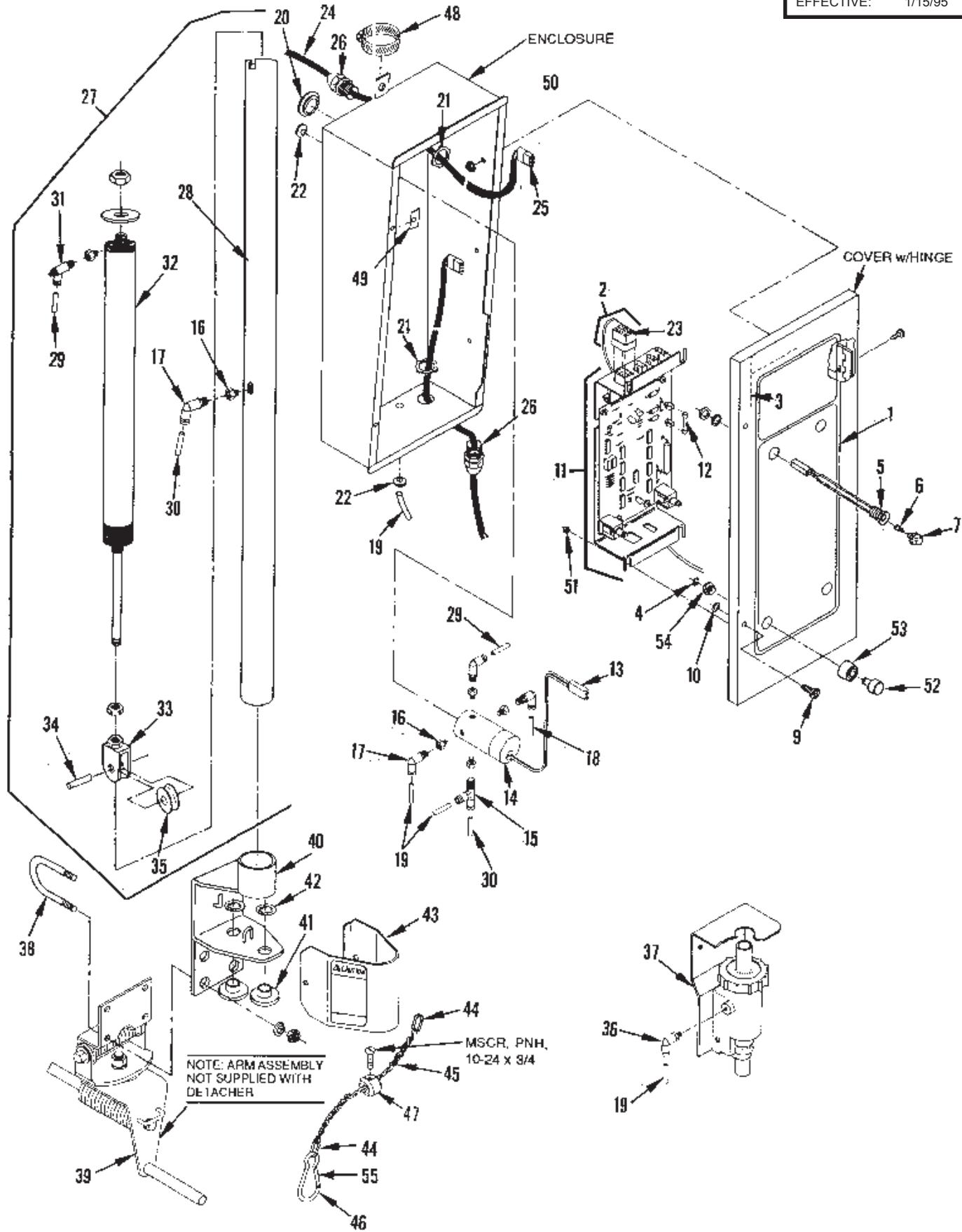
ITEM	PART NO.	DESCRIPTION	QTY. REQ.
		⊗ = OBSOLETE n/s = NOT SHOWN	a/r = AS REQ.
3552645	⊗	Meter Control Assy	-
1	3653188	PWB & Backplate, Meter Control	1
2	3553429	Enclosure, Meter Control	1
3	3553428	Flex-Switch, Meter Control	1
4	3553431	Gasket, Meter Control	1
5	3553197	Cable Assy, Milk Meter	1
6	3552539	Cord Assy, Power	1
7	1020148	CSCR, Sltd, Shldr, SS, 4-40 x .1875	4
8	3552732	Conn, Str-Rlf, .23-.39, DIN PG11	2
9	- - -	Literature 9P-342 (Owner's Instructions)	ref
10	- - -	Literature 9P-332 (Installation & Service Instructions)	ref

Model 2101 Detacher Assembly

ITEM	PART NO.	⊗ = OBSOLETE n/s = NOT SHOWN	DESCRIPTION	QTY. REQ.	a/r = AS REQ.
3554362	⊗	Detacher, Model 2101	-		
3555672	⊗	Detacher, Model 2101, 3 Min	-		
1	3554368	Label, Cover, 2101	1		
2	3554453	Wire Harness, Lights/Control (Includes Molex plugs & 3 of item 23)	1		
3	3555238	Kit, Repair, Cover Gasket Set	2		
4	3550833	Ring, Retaining, Ext, E, .312	2		
5	3554306	Socket Assy, Lamp	2		
6	3551812	Bulb, 28V (shown)	2		
1923325		Diode, LED, Red, 28V	or 1		
1923326		Diode, LED, Yel, 28V	& 1		
7	3550804	Lens, Bulb-Holder, Amber	1		
8	3550802	Lens, Bulb-Holder, Red	1		
9	3551822	Screw, Quick-Open, SS, 12 x 3/4	2		
10	3551777	Retainer, Quick-Open, No.12	2		
11	3554948	PWB & Brkt Assy, Det/Only, 3 Min (Includes item 12)	1		
12	1931919	Fuse, 2.00A, 250V, Fast, 1.25 x .25	1		
13	1916902	Connector, Recept, FH, 2-Pin	1		
14	3552112	⊗ Valve, Solenoid, Model 2100	1		
	3555933	Valve, Solenoid, 24 VDC	1		
15	3554331	Conn, Push, Tee, 5/32 x 1/8 NPT	1		
16	3551711	Bushing, Hex, Brs, 1/4 x 1/8	5		
17	3554451	Conn, Swl, Elb, 5/32 OD x 1/8 NPT	4		
18	3554115	Hose, Nyl, Nat, 5/32 OD x 100 Ft	a/r		
19	3554439	Hose, Nyl, Blk, 5/32 OD x 100 Ft	a/r		
20	3551755	Plug, Int, Plstc, 0.88	1		
21	8513814	Nut, Lock, Conduit, 1/2 NPT	2		
22	3554469	⊗ Grommet, 0.16 ID x 0.38 OD	5		
23	1916730	Conn, Pin, .093, F, 18-22, .06/.12	8		
24	3552539	Cord Assy, Power (Includes items 25 & 3 of 23)	1		
25	1916903	Connector, Recept, FH, 3-Pin	1		
26	1917532	Conn, Str-Rlf, .27-.46, 1/2 NPT	2		
27	3554360	Cylinder Assy, Air, 2101 (Includes items 28-35 and 1 ea. of items 16 & 17)	1		
28	3552171	Pipe, Mounting, w/Stop Lug	1		
29	3554440	Hose, Nyl, Grn, 5/32 OD x 100 Ft	a/r		
Note: 1. Chain Stop replaces Cold Shut Chain Connector on earlier versions.					
1. Chain Stop replaces Cold Shut Chain Connector on earlier versions.					

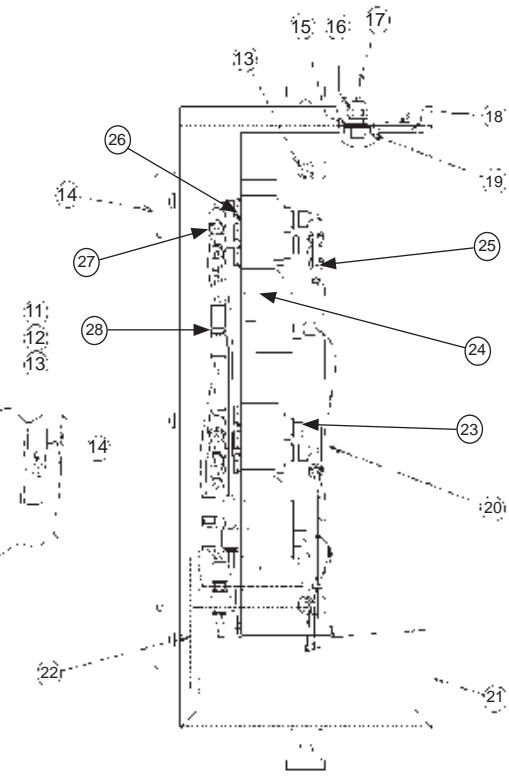
Model 2101 Detacher Assembly

SECTION D	PAGE 57
EFFECTIVE: 1/15/95	

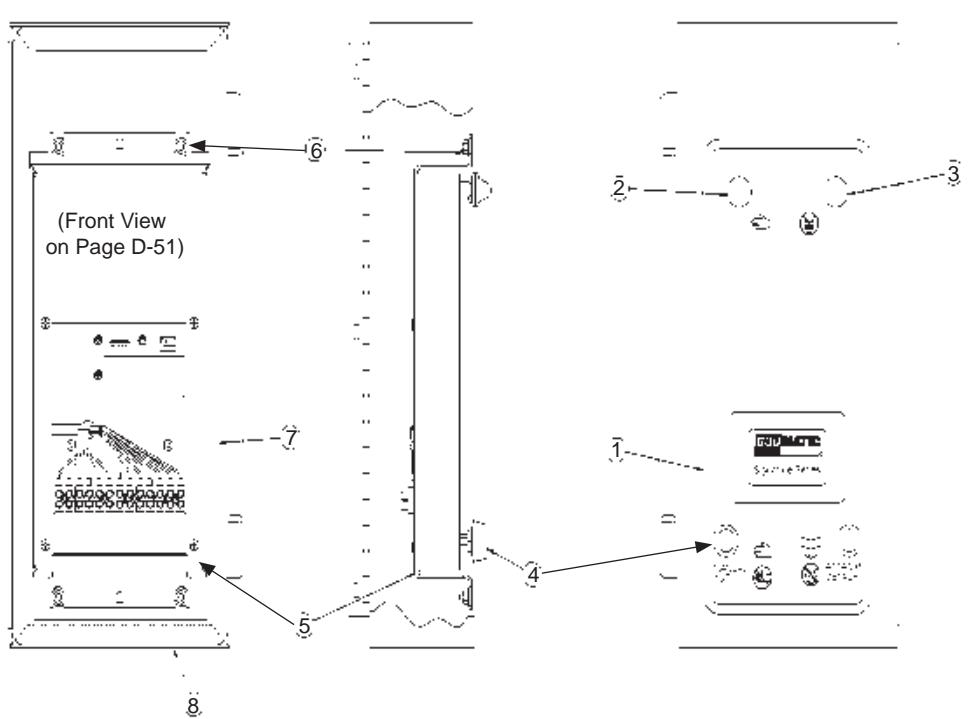


Control Assemblies
2010, 2210, 2410, 2020, 2220, 2420, 3020,
3220 and 3420 Series Detachers

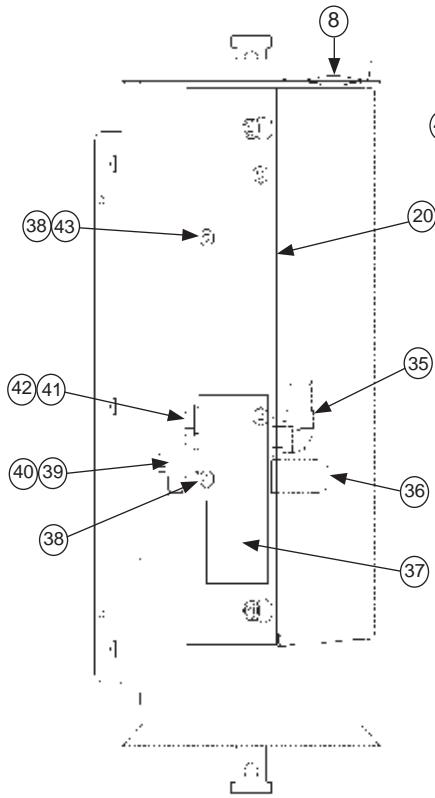
Air Base Assembly



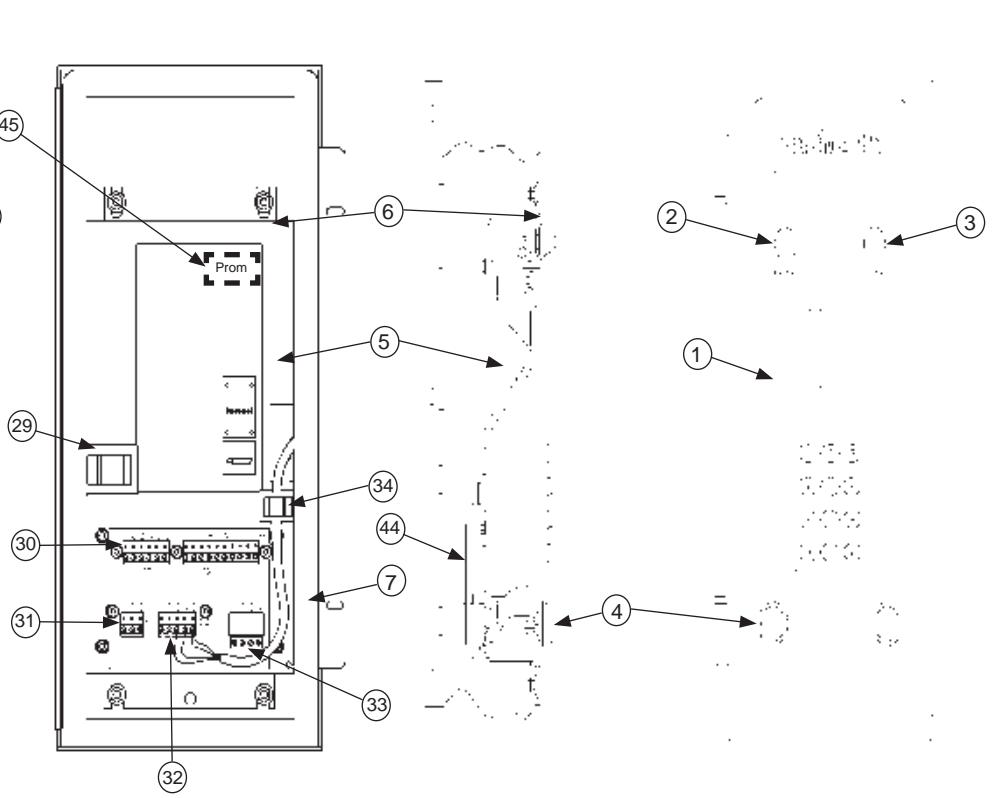
Detacher Only Control Assembly



Vacuum Base Assembly (D/M Shown)



Detacher Meter Control Assembly



Control Assemblies
2010, 2210, 2410, 2020, 2220, 2420, 3020,
3220 and 3420 Series Detachers

SECTION	PAGE
D	59
EFFECTIVE: 9/5/19	

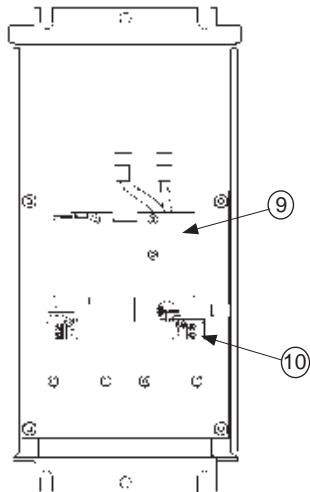
ITEM	PART NO.	⊗=OBSOLETE n/s=NOT SHOWN	DESCRIPTION	QTY REQUIRED (a/r=AS REQUIRED)						
	3558070	⊗	Control Assy, 2010 D	070						
	3558071	⊗	Control Assy, 2210/2410 D	071						
	3558368	⊗	Control Assy, 2020 D		368					
	3558369	⊗	Control Assy, 2220/2420 D		369					
	3557942		Control Assy, 3020 M		071					
	3557946		Control Assy, 3220/3420 M		946					
1	3556158	⊗	Label, Cover, 3000 D	1	1	1	1	-	-	
	3556159		Label, Cover, 3000 M	-	-	-	-	1	1	
2	3558007		LED Indicator Assy, Yellow, 14"	1	1	-	-	1	1	
	3558009		LED Indicator Assy, Yellow, Molex	-	-	1	1	-	-	
3	3558006		LED Indicator Assy, Red, 17"	1	1	-	-	1	1	
	3558008		LED Indicator Assy, Red, Molex	-	-	1	1	-	-	
4	3557988		Switch, Door, Detacher, SS	2	2	2	2	2	2	
	3555809	⊗	Pwb & Brkt Assy, D/Only w/Cable	1	1	-	-	-	-	
	3558936 ²	⊗	Pwb & Brkt, D/O, Upgrade to 4000	-	-	1	1	-	-	
5	3557722	⊗	Pwb & Brkt Assy, D/Only, 4000 Series (Also see item #9)	-	-	1	1	-	-	
	3656389	⊗	*Pwb & Brkt Assy, D/M, Perf	-	-	-	-	1	1	
	3657708 ²	⊗	*Pwb & Brkt Assy, D/M Perf (SS Switch)	-	-	-	-	1	1	
6	1225378		Nut, Hex, Flange, Lock, 8 - 32, SS	13	13	12	12	13	13	
7	3557944		Gasket, Neoprene,	1	1	1	1	1	1	
8	3558043	⊗	Wrapper Assy, Front,	1	1	1	1	-	-	
	3557950		Wrapper Assy, Front, 3000 M	-	-	-	-	1	1	
9	3657492		Kit, Pwb Assy, 42-4600, Rear Acs	-	-	1	1	-	-	
10	1917630		Connector, Term Strip, 2-Position	4	4	2	2	-	-	
11	1096181		Mscr, Pnh, SS, 8 - 32 x 1/2	6	6	6	6	6	6	
12	3551201		Washer, Sealing, SS	6	6	6	6	6	6	
13	1225378		Nut, Hex, Flange, Lock, 8 - 32, SS	13	13	12	12	13	13	
14	3558065		Bracket, Latch, Base	1	1	1	1	1	1	
15	3557816		O-Ring, .390 x .060 Buna-N	-	-	-	2	-	2	
16	1917501		Conn, Str-Rif, .08 - .12, PG7	-	2	-	2	-	2	
17	3558089	⊗	Conn, Push, Plug, 5/32	-	1	-	1	-	1	
	8507089		Conn, Push, Plug, 5/32	-	1	-	1	-	1	
18	3558060	⊗	Plug, Int. Plastic, 1" NPT	1	-	1	-	1	-	
	3558055	⊗	Plug, Int. Plastic, 3/4 NPT	-	1	-	1	-	1	
19	1917560		Connector, Dome, Nut	-	2	-	2	-	2	
	3558318 ¹	⊗	Bracket Assy, 2000 Series, Vac.	1	-	1	-	-	-	
20	3558057 ¹		Bracket Assy, 3000 Series, Vacuum	-	-	-	-	1	-	
	3558050 ¹		Bracket Assy, 3200/3400	-	1	-	1	-	1	
21	-----		Base Assy	-	-	-	-	-	-	
22	-----		Nameplate	-	-	-	-	-	-	
23	1431240		Plug, Hex HD, Brass, 1/8	-	1	-	1	-	1	
24	3557108	⊗	Valve, 4-Way, Air, Low Power	-	2	-	2	-	2	
25	8507089		Conn, Push, Plug, 5/32	-	1	-	1	-	1	
26	8500264		O-Ring, .362 x .103, Buna-N	-	4	-	4	-	4	
27	3554451		Conn, Swl, Elb, 5/32 OD x 1/8 NPT	-	9	-	9	-	9	
28	8507088		Conn, Push, Union Y, 5/32	-	4	-	4	-	4	

Note:

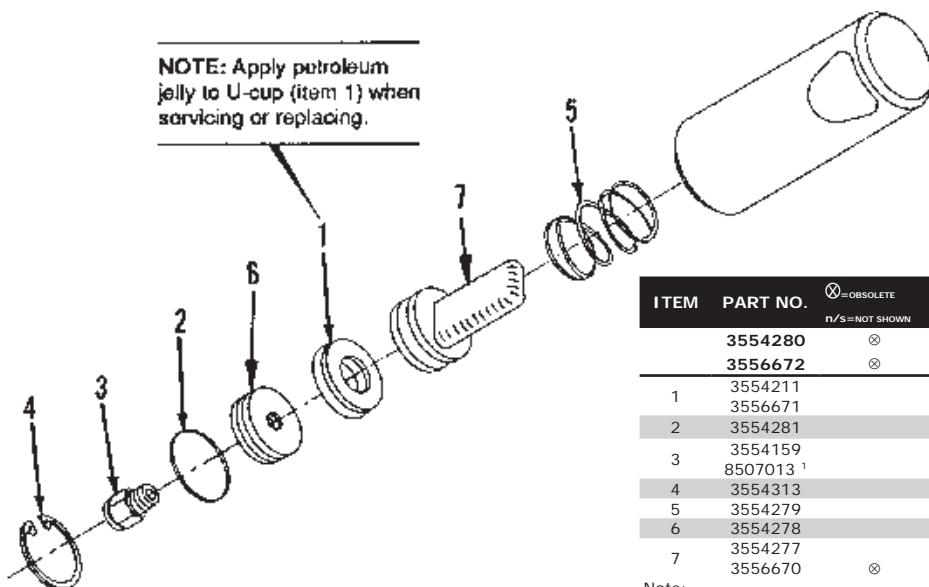
1. All Bracket Assemblies include the Valves and Fittings.
2. Requires 2 - SS Buttons (3557988), if not already installed. 3558958 is a direct replacement for 3558936.

Front View of

3558936



Pinchoff Valve Assemblies

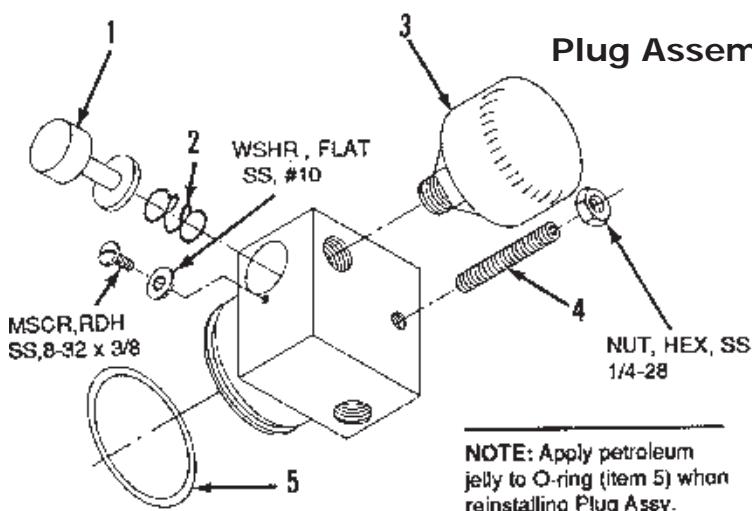


ITEM	PART NO.	∅=OBsolete n/s=NOT SHOWN	DESCRIPTION	QTY REQUIRED (a/r=AS REQUIRED)	
	3554280	⊗	Valve Assy, Pinchoff	-	
	3556672	⊗	Valve Assy, Pinchoff (3/4)	-	
1	3554211		U-Cup, Packing	1	-
	3556671		U-Cup, Packing, 7/8 ID x 1-3/8 OD	-	1
2	3554281		O-ring, 1.174 x .103, Rubber	1	-
3	3554159		Conn, Push, 5/32 OD x 1/8 NPT	1	1
	8507013 ¹		Conn, Push, 5/32 x 1/4 NPT	1	1
4	3554313		Ring, Retainer, SS, Int, 1.37	1	-
5	3554279		Spring, Compr, 1.13-.072 1.50	1	1
6	3554278		Plug, Pinchoff Valve	1	-
7	3554277		Piston, Pinchoff Valve	1	-
	3556670	⊗	Piston, Pinchoff, 3/4	-	1

Note:

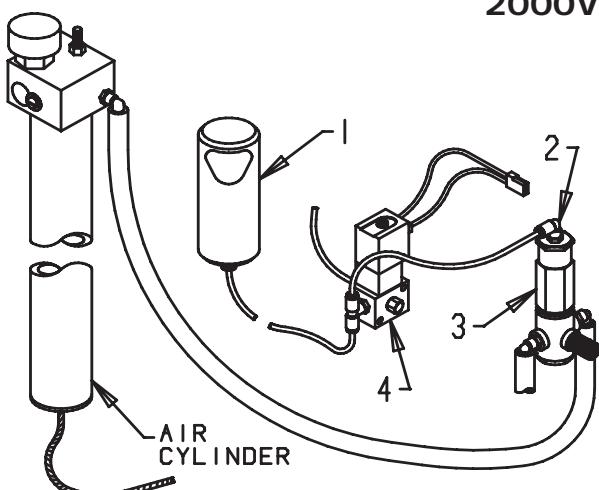
1. For use on newer version pinchoff valves.

Plug Assembly



ITEM	PART NO.	DESCRIPTION	QTY REQUIRED (a/r=AS REQUIRED)
—	3554615	Plug Assy, 2000V & VM	-
1	3554617	Piston, Top Plug	1
2	3554628	Spring, Compr, .466-.016 .69	1
3	3554618	Muffler, Filter, 1/4 NPT, Nylon	1
4	1175478	SSCR, Skt, 1/4-28 x 1-3/4 ZP	1
5	3553693	O-ring, 1.674 x .103, Buna-N	1

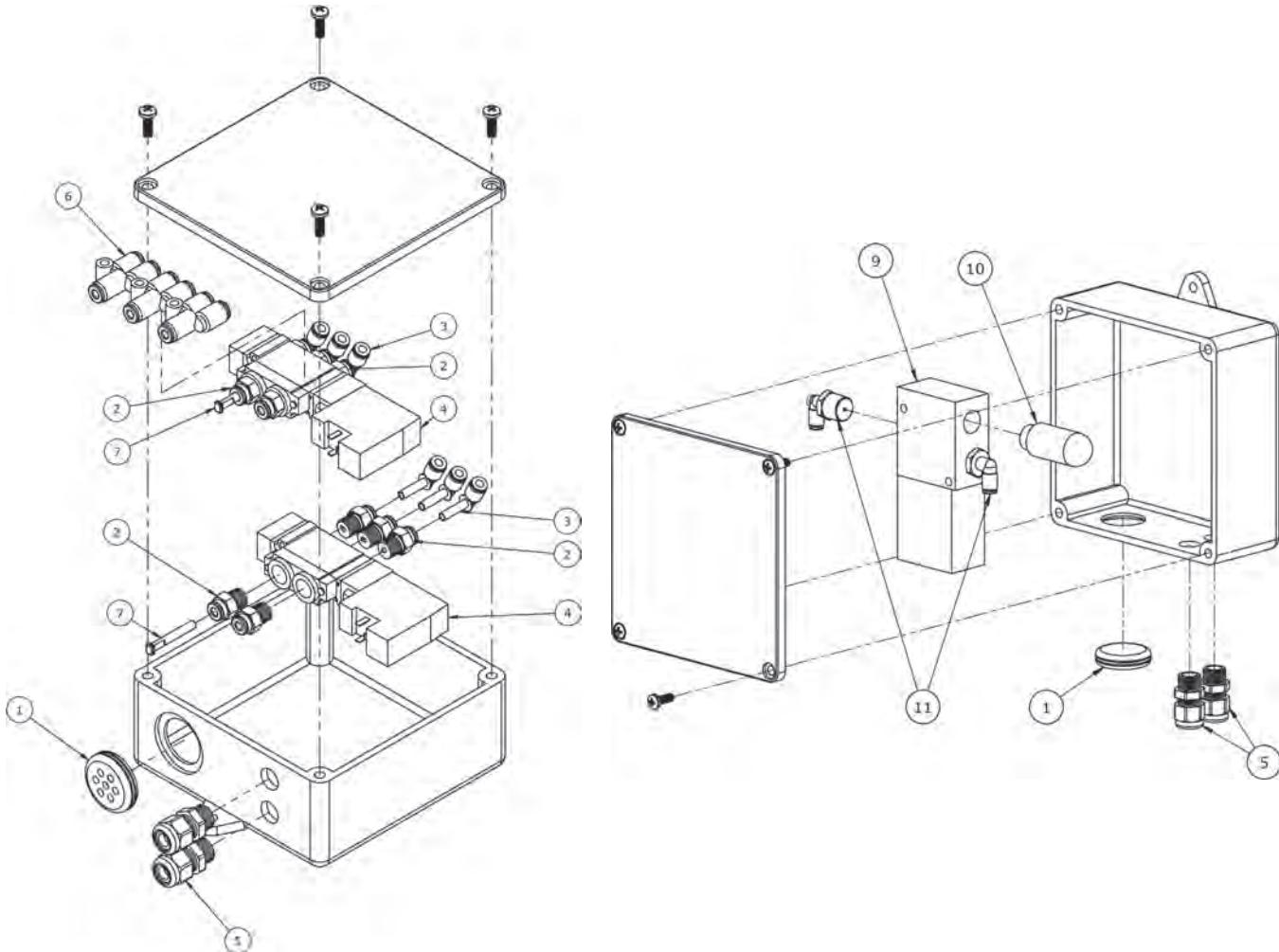
2000V Valve Assy Kit



ITEM	PART NO.	∅=OBsolete n/s=NOT SHOWN	DESCRIPTION	QTY REQUIRED (a/r=AS REQUIRED)
	3554901	⊗	Kit, Valve Assy, 2000V	-
1	3554280	⊗	Valve Assy, Pinchoff (See above for parts)	1
2	3554451		Conn, Swl, Elb, 5/32 OD x 1/8 NPT	1
3	3554596		Operator, Air Pilot	1
4	3554809		Valve Assy, 2000VA	1
5	-----		Literature 9P-639 (Retrofit & Operating Instructions)	a/r

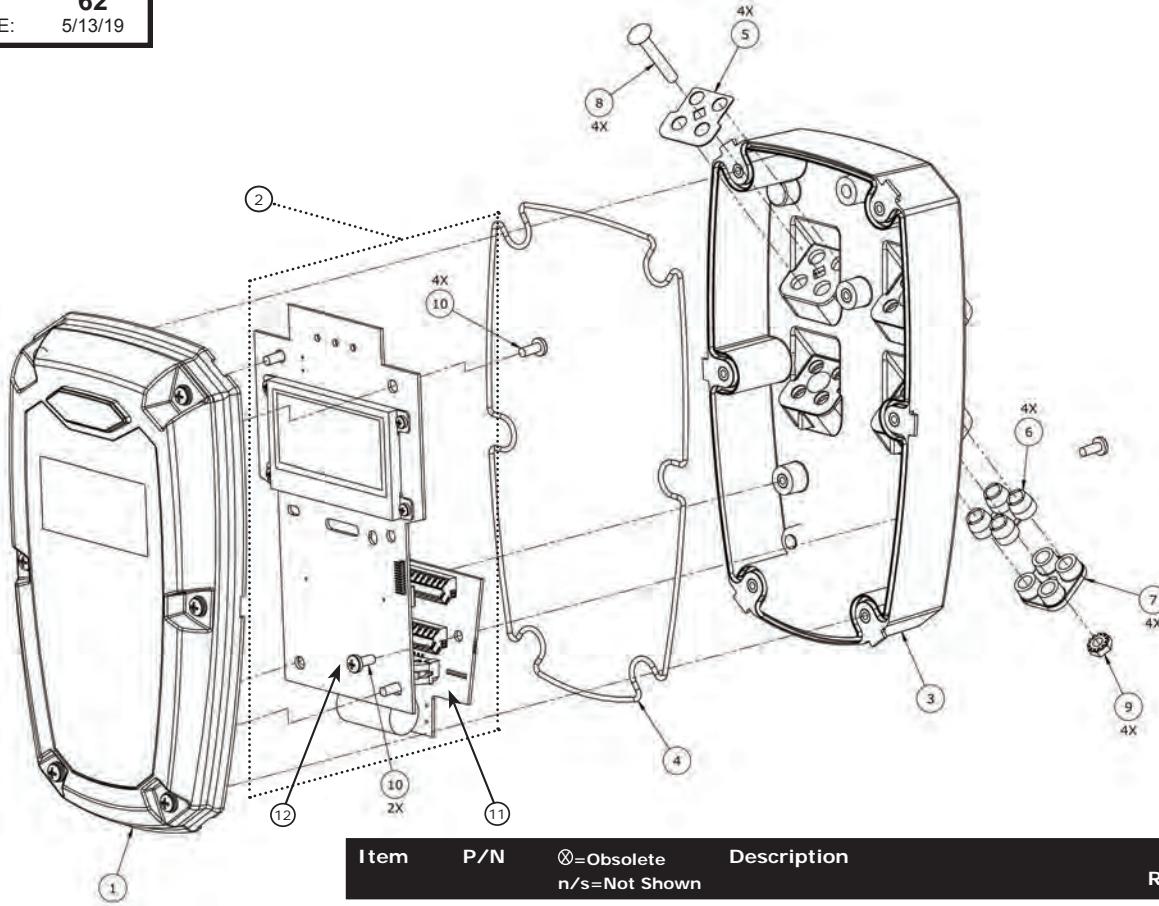
Enclosure Assembly

SECTION D	PAGE 61
EFFECTIVE: 2/14/14	



ITEM	PART NO.	DESCRIPTION	QTY REQUIRED (a/r=As Required)		
	3562406	ENCLOSURE ASSY,2 VALVE,AIR	2406		
	3562407	ENCLOSURE ASSY,VALVE,VAC		2407	
	3561779	ENCLOSURE ASSY,VALVE,VAC			1779
1	3556157	GROMMET,MULTIPLE 5/32	1	1	-
2	3554159	CONN,PUSH5/32 ODX 1/8 NPT	10	-	-
3	8504215	CONN,ELBOW,PUSH-IN,5/32	10	-	-
4	3559301	VALVE,4-WAY,AIR,LOW POWER	1	-	-
5	1917500	CONN,STR-RLF,11-.25,PG7	2	2	1
6	8507088	CONN,PUSH,UNION Y,5/32	3	-	-
7	8507089	CONN,PUSH,PLUG,5/32	2	-	-
8	3558052	n/s TERM,DISC,FEM,22-18,.110	4	-	-
9	3559533	VALVE,3-WAY,24VDC,2.8W	-	1	1
10	8551136	MUFFLER,FILTER,1/4 NPT	-	1	1
11	8507015	CONN,SWL,ELB,5/32 ODX 1/4 NPT	-	2	-
12	3553790	n/s ELBOW,90,NYL,1/4NPT X 3/8 HOSE	-	-	2
13	8506805	n/s HOSE,VINYL,.38 X .125W,BLK/WHT	-	-	a/r

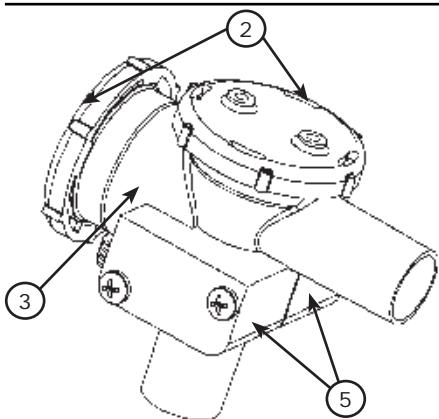
AMI 5450/5550 Control Assembly



Item	P/N	⊗=Obsolete n/s=Not Shown	Description	Qty. Required
-	3562341	⊗	CONTROL ASSY,5450	341 -
-	3562834		CONTROL ASSY,5550	- 834
1	3562334 ¹		COVER ASSY,5450	1 -
	3562830 ¹		COVER ASSY,5550	- 1
2	3562341	⊗ n/s	PCB, ASSY, FRONT/REAR 5450 (Complete Cntrl)	1
	3562833		PCB, ASSY, FRONT/REAR 5550 (pictured)	- 1
3	3562310		ENCLOSURE, REAR,5450/5550	1 1
4	3562321		GASKET, O-RING, ENCLOSURE, 5450	1 1
5	3562324		RETAINER, CARRIAGE BOLT	4 4
6	3562313	⊗	BUSHING,CABLE,X4,.265 DIA	4 4
	3562916		BUSHING, CABLE, X4, .265DIA	4 4
7	3562314		COMPRESSION,PLATE,STR-RLF	4 4
8	1201206		BOLT,CRG,SS,10-24 X 1.25	4 4
9	1219379		NUT,HEX,KEPS,SS,10-24	4 4
10	3562336		MSCR,PNH,SS,M4 X 10	4 4
11	3562831		PWB ASSY,REAR,5550	- 1
12	3562832		PWB ASSY,FRONT,5550	- 1

Note: 1. Covers are not interchangeable. 5450 cover assy requires 5450 electronics. 5550 cover assy requires 5550 electronics.

AMI 5450/5550 Flow Sensor

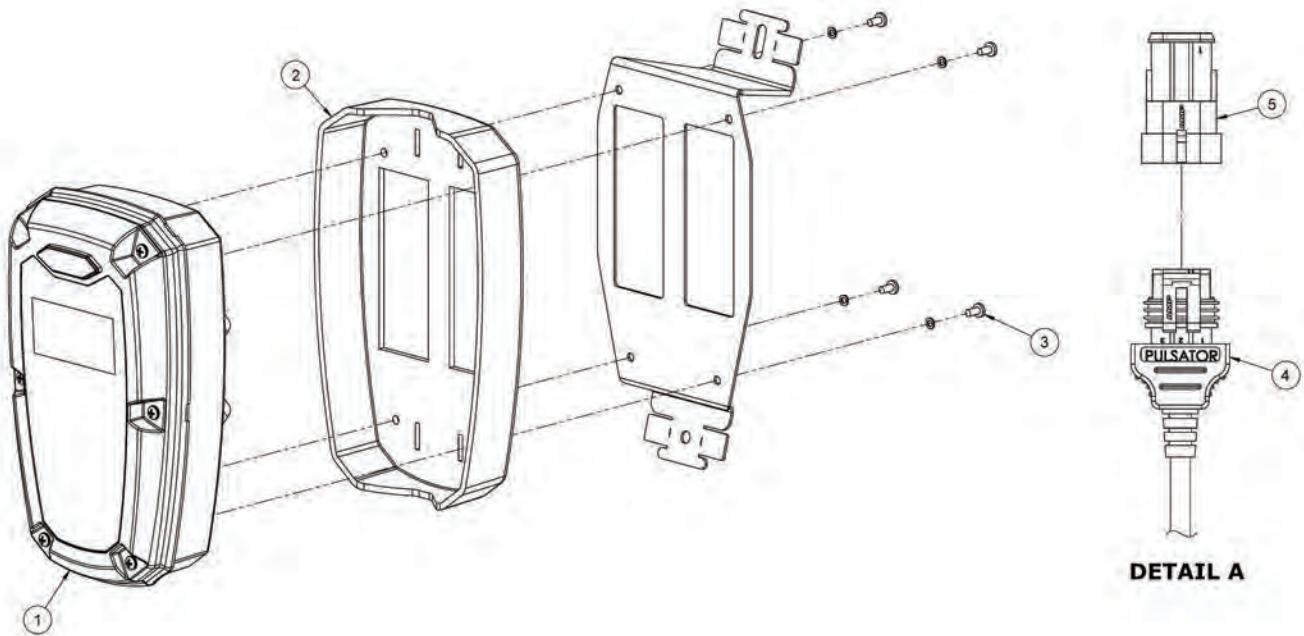


Item	P/N	⊗=Obsolete n/s=Not Shown	Description	Qty. Required
-	3562403		KIT 5550,SENSOR AND MOUNTING	-
1	3562706	n/s	GASKET,SENSOR,MYI,PKGX12	a/r
2	3562707		SENSOR CAP,PKGX12	a/r
3	3562319	⊗	FLOW SENSOR,5450	1
	3562917		FLOW SENSOR,5550 (includes both caps and gaskets)	1
4	1916630	n/s	CONNECTOR,PIN,DUAL,18GA,FERRUL	5
5	3562458		CLAMP,FLOW SENSOR,5450,A (includes both sides)	1
6	3558018	n/s	LUBRICANT,GREASE,14OZ (1 cartridge per 8 stalls)	ref
7	3562545	n/s	FITTING,GREASE,10-32	ref

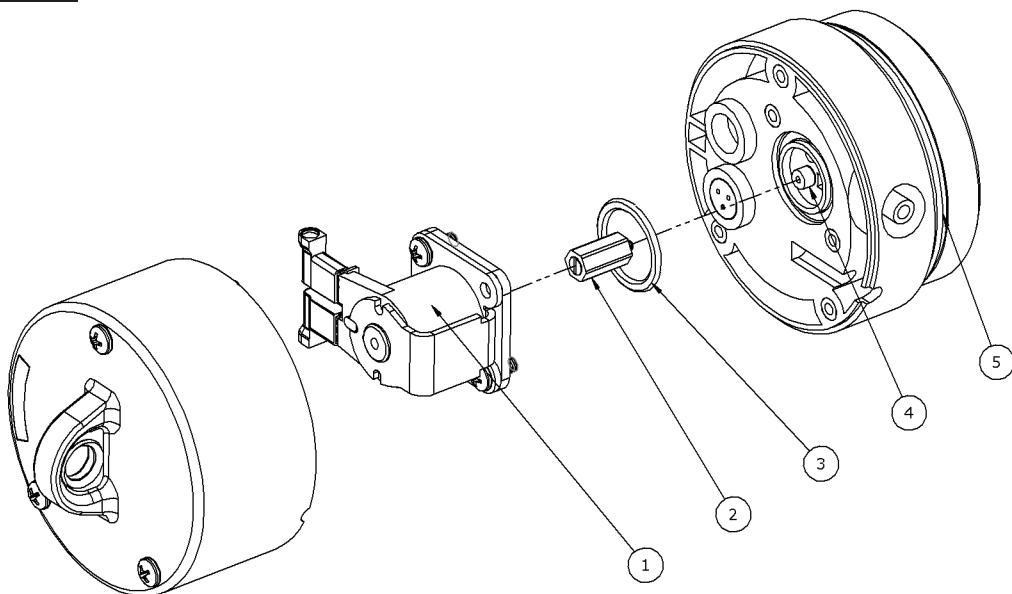
Note: This includes flow sensor and mounting hardware.

AMI 5450/5550 Detacher Assembly

SECTION D	PAGE 63
EFFECTIVE: 1/29/19	



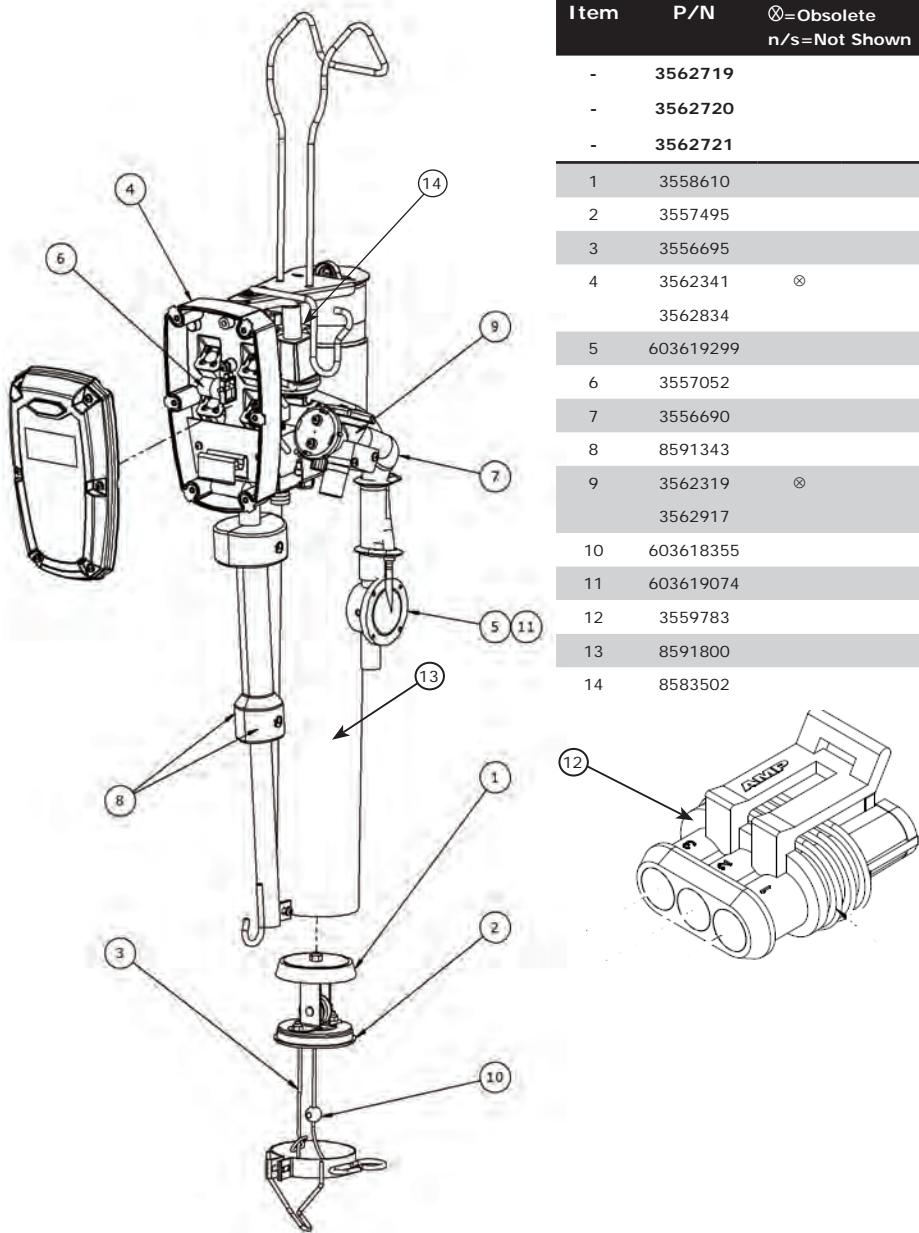
Item	P/N	⊗=Obsolete n/s=Not Shown	Description	Qty. Required
-	3562411	⊗	DETACHER ASSY,5450	-
-	3563248		DETACHER ASSY,5550	-
1	3562341	⊗	CONTROL ASSY,5450	1
	3562384		CONTROL ASSY,5550	1
2	3562311		ENCLOSURE,MOUNT,5450	1
3	3562336		MSCR,PNH,SS,M4 X 8.0	4
4	3559777		CABLE ASSY,PULSAT,84"	1
5	3559782		CONNECTOR ASSY,CAP,M,3-PIN	1
6	8510201	n/s	CLAMP,HOSE,SS, #28,1.31-2.25	2

Tie Stall 5450/5550TS Bulkhead Assembly

Item	P/N	⊗=Obsolete n/s=Not Shown	Description	Qty. Required
-	8591444		BULKHEAD ASSY,CYLINDER,5450TS	-
1	3559256		COIL,BROWN,24VDC	1
2	3562548		SHUTTLE ASSEMBLY	1
3	D242702		O-RING, Ø21.6 X Ø2.4	1
4	D381386		SEAL-ARMATURE TIP	1
5	D382765		SEAL-RAM	1

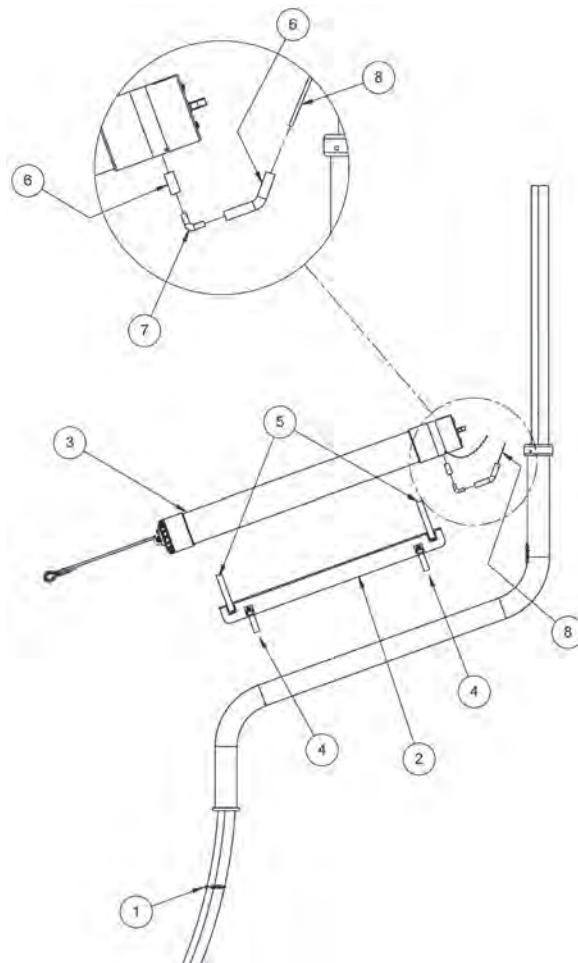
**Tie Stall 5450/5550TS
Detacher Assembly 3" Handle**

SECTION D	PAGE 65
EFFECTIVE: 10/7/19	



Item	P/N	⊗=Obsolete n/s=Not Shown	Description	Qty. Req.
-	3562719		DETACHER ASSY,5550TS 3" HANDLE	-
-	3562720		DETACHER ASSY,5550TS 2/2.5HNDL	-
-	3562721		DETACHER ASSY,5550TS STALLCOCK	-
1	3558610		PISTON ASSY,COMPANION	1
2	3557495		CAP,BOTTOM,CYLINDER,W/HOLES	1
3	3556695		ROPE,DYNEEMA,1/8'X8'	1
4	3562341	⊗	CONTROL ASSY,5450	1
	3562834		CONTROL ASSY,5550 (replaces 3562341)	1
5	603619299		VACUUM VALVE TRANSPARENT PL,	1
6	3557052		VALVE ASSY,SOLENOID	1
7	3556690		HOSE,RBR,.62 X 9.25,FRMD	1
8	8591343		HANDLE,HALF,5450TS	2
9	3562319	⊗	SENSOR ASSY,5450	1
	3562917		FLOW SENSOR,5550 (replaces 3562319)	1
10	603618355		BALL,SECURING,STRING HOLDER	1
11	603619074		DIAPHRAGM,VAC VLV,DETACHER TS	1
12	3559783		CONNECTOR ASSY,CAP,F,3-PIN	1
13	8591800		CYLINDER ASSY, 5450TS	1
14	8583502		FILTER,FOAM,WITH SOLID CAP	2

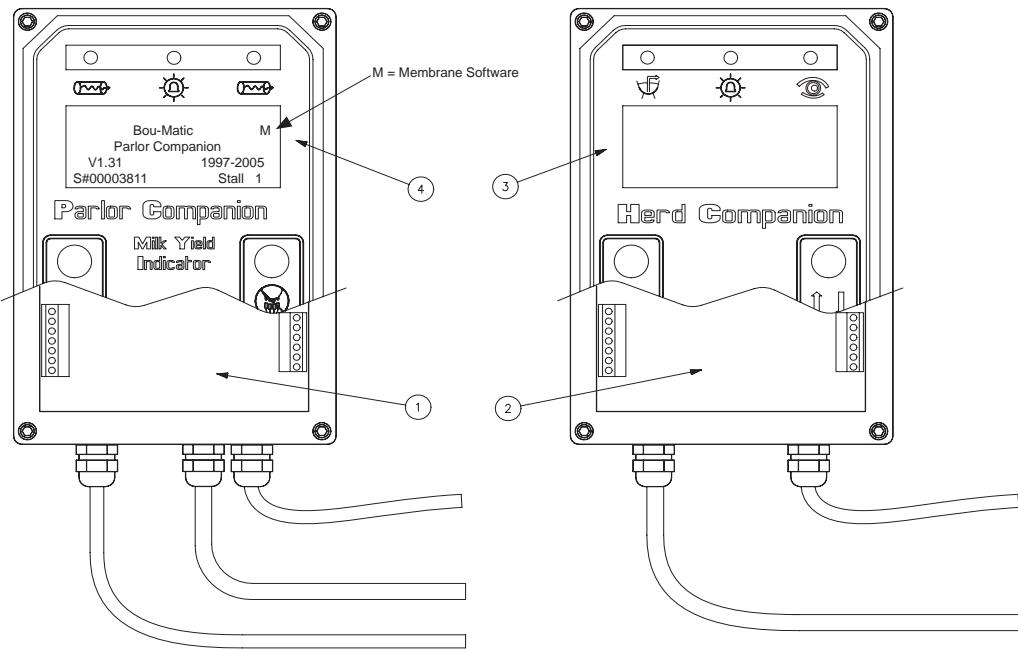
Swing Arm Assembly With Cylinder



ITEM	PART NO.	DESCRIPTION	QTY REQUIRED (a/r=As Required)	
			a	r
	3559840	SWING ARM ASSY,W/CYLINDER	9840	
	3562467	SWING ARM ASSY,W/CYLINDER,5450		2467
1	8513217	RING,RETENTION,HOSE,1.38	3	3
2	8584839	BRACKET,DETACHER,CYLINDER MNT	1	1
3	3562409	CYLINDER ASSY,XP,BLU,4WIRE,24V	-	1
4	8510201	CLAMP,HOSE,SS, #28,1.31-2.25	2	2
5	8501422	CLAMP,HOSE,SS, #44,1.38-3.25	2	2
6	3556372	HOSE,SILICONE,.25 X .09 WALL	a/r	a/r
7	3559992	FITTING,ELB,HOSE,BARB,1/4X1/4	1	1
8	3559996	TUBE,NYL,NAT.,5/16 OD X 100FT	a/r	a/r
9	8590246	n/s BUSHING,SNAP,NYLON,SB-2.25-29	1	1
10	8580380	n/s COLLAR & BRACKET ASSY,SWG ARM	1	1
11	8580126	n/s CYLINDER,GAS,SWG PLR	1	1
12	8584837	n/s COLLAR, SWING ARM	1	1
13	3559257	n/s CYLINDER ASSY,XP,BLU,3WIRE,24V	1	-

Parlor Companion Indicator Kits (MYI)

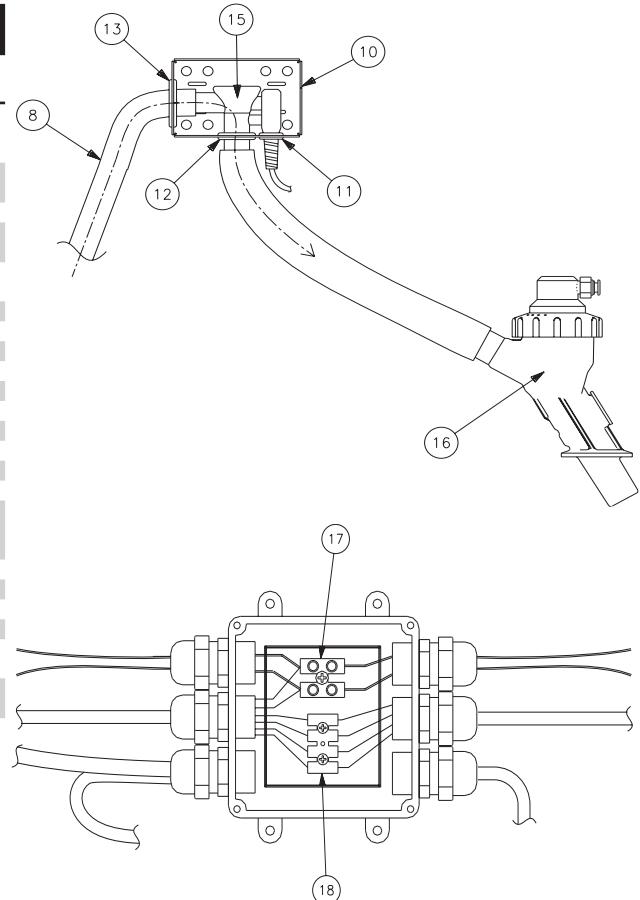
SECTION D PAGE 67
EFFECTIVE: 9/14/18



ITEM	PART NO.	DESCRIPTION	QTY REQUIRED (a/r=AS REQUIRED)
	3558281	Kit, Indicator, Herd Companion	8281
	3558256	Kit, Parlor Companion, w/MYI	8256
1	3658134	*Rcndt, Indicator, PC, W/Opto Sw	- 1
	3658963 2	*Rcndt, Indicator, PC, W/Membrane Sw	- or 1
	3558963 2	Pwb, Replacement, PC, W/Membrane Sw	- or 1
2	3658245	*Rcndt, Indicator, Herd Companion	1 -
	3559404	Pwb, Replacement, Herd Companion	or 1 -
3	3558487	Cvr, Herd Companion, Repl	1 -
4	3558488	Cvr, Parlor Companion, Repl	- 1
	3558932 1	Kit, Cover, W/Membrane Switch, MYI	- or 1
5	3558413	Kit, Cnrvr, Programmer, MYI (required for software updates)	- -
6	3553772	n/s	- 1
7	3555958	Tube, SS, .750 x .049 x 2.50	- 1
8	3556147	n/s	- 1
9	3558185	Hose, Rbr, .62/.75 x 12.00, FRMD	- 1
10	3558207	n/s	- 1
11	3558261	Bracket, Parlor Companion	1 1
12	3558262	Grommet, 0.75 ID x 0.88 Mtg x 1.0 OD	- 1
13	3558263	Grommet, 0.94 ID x 1.25 Mtg x 1.50 OD	- 1
14	8510201	Grommet, 1.25 ID x 1.50 Mtg x 1.88 OD	- 1
15	3557823	Clamp, Hose, SS, #28, 1.31 - 2.25	3 3
16	3558118	Sensor, Comp Milk Yield Indicator	- 1
17	3558326	Shutoff Assy, W/Nipple, Vac (shown)	- -
18	1917667	Shutoff Assy, Clamp, Vac (Parts on page D-132)	- -
19	1917657	Connector, Term Strip, 2-Pos	- -
20	1917628	Connector, Term Strip, 4-Pos	- -
	3558321	n/s	- -
21	----	Connector, Term Strip, 6-Pos	a/r -
22	----	Cable, 4-Cond, 24GA, 500'	a/r a/r
		Literature 9E-853 (Herd Companion Operation Instructions)	
		Literature 9E-815 (Parlor Companion Operation Instructions)	- a/r

NOTE:

1. Kit, Cover, w/Membrane switch, MYI (3558932) requires software version 1.31 - M (Membrane) or higher in the Parlor Companion, MYI.
2. Recondition Parlor Companion Indicator (3658963) requires membrane switch covers.



Companion Detacher Assembly

ITEM	PART NO.	DESCRIPTION	QTY. REQ. (a/r=AS REQ.)
		n/s=NOT SHOWN	
	3557554	Detacher Assy, Companion	-
	3557656 ²	Detacher Assy, Companion, L/Conn	-
1	-----	Literature 9ES-720 (Installation Instructions)	ref
2	3556663	Spacer, Thd, Hex, 4-40 x .50	1
3	3556667	Sensor Assy, Flow, Companion	1
4	3556618	Hook Assy, Companion	1
4	3557099	Hook Handle	1
5	3556548	Elbow, 90, Nyl, 1/8 NPT x 1/4 Hose	2
6	3556529	Brace, PWB	1
7	3557256	Kit, Repair, Pwb Assy, Companion	a/r
8	3556617	Spacer, threaded, 1/4-20 x 1.00, SS	1
9	3556584	Enclosure/Handle, Companion	1
	3556819	Flex-Switch, 1000V, Pre-Greased	1
10	3559471	Enclosure/Handle Assy (replaces part 3556819)	1
11	3556681	Gasket, Handle	1
12	3557097	Manifold Service, Companion (Includes item 13, 70 & 71)	1
13	3556705	Valve, Solenoid, Companion	2
14	8519016	Coil Assy	1
15	8518949	Plunger Assy, Pulsator	2
16	8518206	O-ring, Square-Wall, 1-5/8 OD	2
17	3554261	Gasket, Flow Sensor	1
18	3556682	Filter, Handle	1
19	----		-
20	3556712	Loop, Pinchoff	1
21	3557098 ¹	Bracket, Mtg, Handle	1
22	1917631	Connector, Term Strip, 3-Pos	1
23	1917630	Connector, Term Strip, 2-Pos	1
24	3556674	Plate, Ground	1
25	3556676	Plug, Rubber, .25 x 1.16	1
26	3556597	Shroud, 1000V	1
27	3556551	Filter, Pulsation	1
28	3556606 ³	Hanger Assy, Companion	1
29	3556690	Hose, Rbr, .62 x 9.25, Frmd	1
30	3556709	Label, Companion/Bou-Matic	1
31	3556372	Hose, Silicone, .25 x .09W	a/r
32	3556677	Valve Assy, Pinchoff	1
		(Includes items 29, 33 thru 40 & 80)	
33	3556707	Valve, Bottom, Pinchoff	1
34	3556607	Top, Pinchoff	1
35	3557698	Bar, Diaphragm	1
36	3556614	Retainer, Diaphragm	2
37	3555617	Diaphragm, 1000V, Molded	1
38	3556548	Elbow, 90, Nyl, 1/8 NPT x 1/4 Hose	2
39	3556549	O-ring, 2.737 x .103	1
40	3556704	Guide, Hose, Pinchoff	1
41	3558303 ¹	Channel, Cylinder	1
	3557819	Channel Assy, Cyl, Companion	1
42	3556601	Plate, Backup, Threaded	2
43	3556642	Bracket Assy, Hose	1
44	3556458	Tube, Rd, 3.15 In x .125 x 24.00	1
45	3558610	Piston Assy, 1000V	1
		(Includes 47, 49-50, 52, 65-67, 81-83)	
46	3556948	Bracket, Pulley	1
	3556711	Bracket, Pulley	1
47	3551872	Pulley, Sgl-Grv, 1.25, Spl	1
48	3556653	Rod, Acetal, .375 x 3.11	1
	3556680	Cup, Packing, 3.125	1
49	3553068	Piston Cup, 80MM (Repl by 3559096)	1
	3559096	Piston Cup, 80MM, Pre-lubed	1

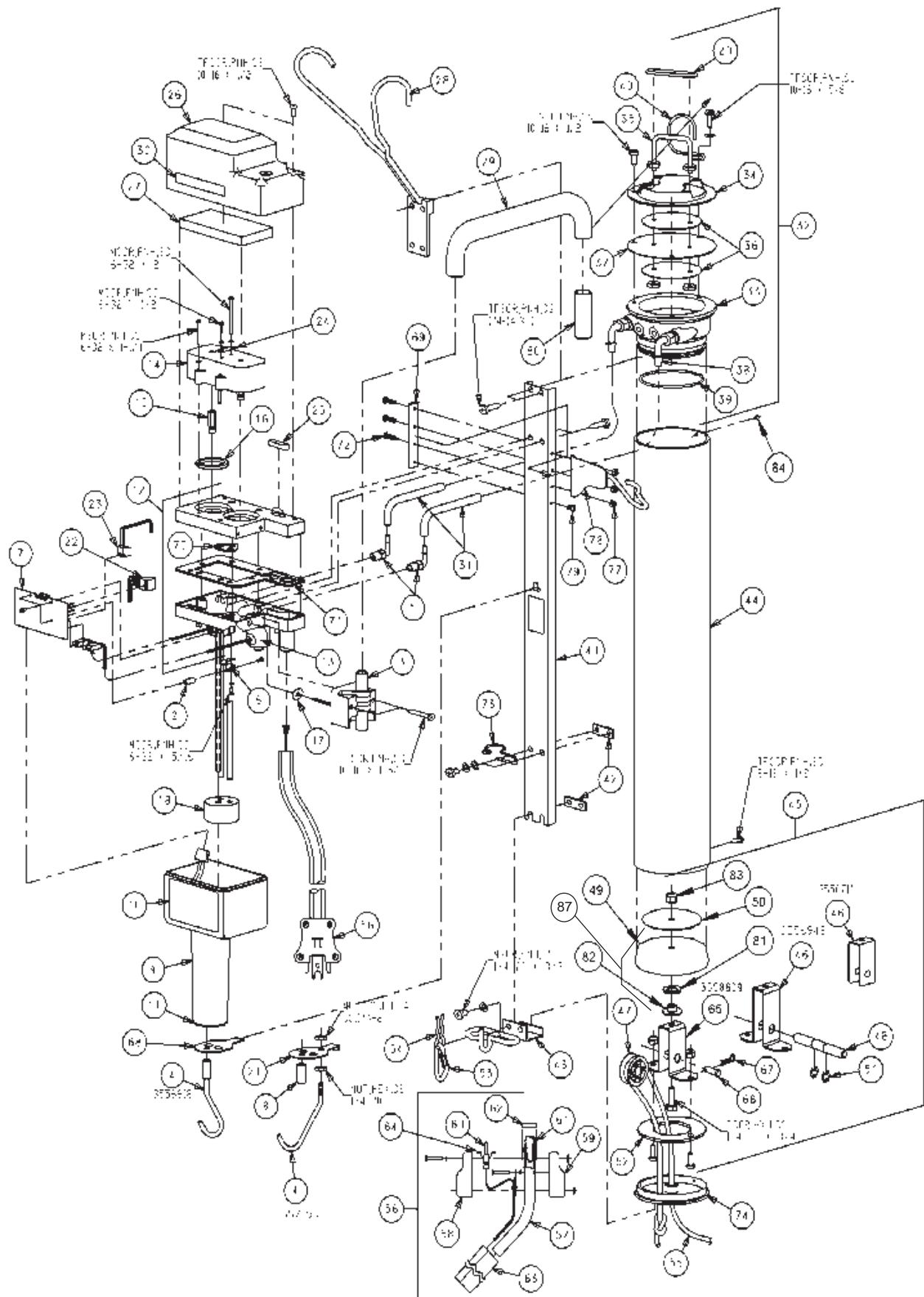
50	8511969	Retainer, Diaphragm	2
51	3550833	Ring, Retaining, Ext, E, .312	1
52	3558611	Guide, Plunger	1
	3556949	Guide, Plunger, old style	1
53	3556991	Snap, Spring, SS, Looped	1
54	8508268	Link, Break-Away	1
55	3556695	Rope, Nylon, 3/16 Dia., 8 Ft	a/r
	3556678 ²	Stallcock Assy, 1000V	1
56	3557021 ²	Stallcock Assy, 1000V, Long (Both Include items 57 thru 64)	or 1
57	3556510	Tube, Stallcock, Companion	1
58	3556640	Shell, Bottom, Stallcock	1
59	3556624	Shell, Top, Stallcock	1
60	3556641	Probe, Contact, Stallcock	2
61	8519082	Spring, Pulsator	1
62	8518912	O-ring, Square-Wall, 7/8 OD	1
63	3557020	Hose, Vac/Elect, Twin, 50 In	1
64	1019159	SSCR, SKT, SS, 6-32 x 1/8	2
65	3558609	Bracket, Pulley	1
66	8504058	Pin, Clevis, SS, 5/16 x 1.00	1
67	3558612	Pin, Hair, SS, 0.080 x .25 - .38	1
68	3558306	Bracket, Mtg, Handle	1
69	3558302	Bracket, Channel, Cylinder	1
70	3556582	Gasket, Manifold, Bottom	3
71	3556595	Gasket, Manifold, Middle	1
72	1098182	Mscr, Pnh, SS, Sems, 8 - 32 x 5/8	3
73	3556917	Clip, Hose Grip	1
74	3557495	Cap, Bottom, Cylinder, W/Holes	1
75	3557908	Kit, Pulsator, Companion, Single (Includes items 15, 16, 27 & hardware)	a/r
		Kit, Maintenance, Companion (Includes items 11,15-16, 18, 27, 29, 37, 49, 62 & hardware)	a/r
76	3558181	Kit, Maintenance, Companion (Includes items 11,15-16, 18, 27, 29, 37, 49, 62 & hardware)	a/r
77	1222378	Nut, Lock, ELAS, SS, 8-32	2
78	3558307 ¹	Hanger Assy, Companion, Hoses	1
	3557809	Hanger Assy, Companion, Hoses	1
79	1098177	Mscr, Pnh, SS, 8 - 32 x 1/4	1
80	3553772	Tube, SS, .75 x .049 x 2.50	1
81	3558964	Washer, 395IDx.748ODx.093,Nylon	1
82	3558965	Washer, Shoulder, Nylon, 3/4"	1
83	1222352	Nut, Lock, Elas, SS, 1/4 - 20	1
84	1019181	SSCR, Skt, SS, 8-32, x 1/2	1
85	3558356	Kit, Hanger, Companion (Includes item 28 & hardware)	a/r
		Kit, Channel Assy, Service (Includes items 41, 68, 69 & 78 & hardware)	a/r
86	3558355	Kit, Piston Cup, 80MM (Includes Items 49, 81 & 82)	a/r
87	3559096		

NOTE:

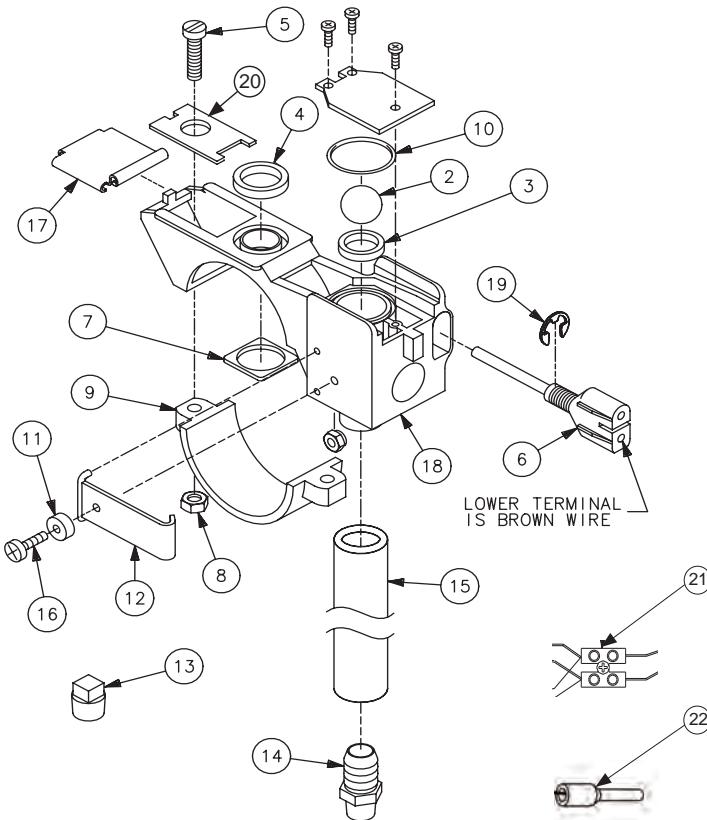
1. When replacing any of the following earlier style items, mounting handle bracket (3557098), hose hanger assembly (3557809) or cylinder channel (3557819). Order the Kit, Channel Assy, Service (3558355) item 86.
2. Figure shows adapter for separate milk valve and stallcock. See page D-70 for companion connector version.
3. When replacing the Companion hanger (3556606), order the Kit, Hanger, Companion (3558356). The kit includes hardware to update earlier Companion Detachers.

Companion Detacher Assembly

SECTION D	PAGE 69
EFFECTIVE: 5/15/06	



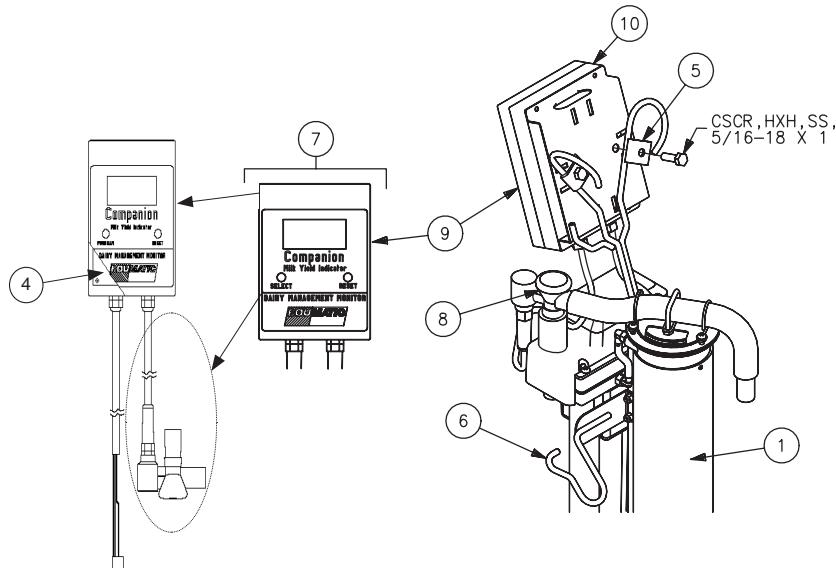
Companion Connector Valve



ITEM	PART NO.	DESCRIPTION	QTY REQUIRED (a/r=As Required)
	3557561	KIT, VALVE, 2.0", COMPANION CONNECTOR	561
	3557562	KIT, VALVE, 2.5", COMPANION CONNECTOR	562
	3557563	KIT, VALVE, 3.0", COMPANION CONNECTOR	563
603331835	603331835	HANDY-GRIP 38 MM FOR WASH	835
603331830	603331830	HANDY-GRIP 51 MM FOR WASH	830
603331930	603331930	HANDY-GRIP 76 MM FOR WASH	930
3562816	3562816	VALVE ASSY,WASH,5450TS,1.5"	816
3562817	3562817	VALVE ASSY,WASH,5450TS,2.0"	817
3562818	3562818	VALVE ASSY,WASH,5450TS,2.5"	818
3562819	3562819	VALVE ASSY,WASH,5450TS,3.0"	819
1	603331773	HANDY-GRIP 51 MM EL	1 - - - - - - - - - - -
	603331783	HANDY-GRIP 63,5MM EL,	- 1 - - - - - - - - - -
	603331912	HANDY-GRIP 76 MM EL, (All include items 2 thru 10, 18 and 19)	- - 1 - - - - - - - - -
2	603331733	BALL 7/8" STEEL GD100,	1 1 1 - - - - - - - - -
3	601238000	SEAL RING 14-20-3 NBR 70	1 1 1 - - - - - - - - -
4	8500849	SEAL, VALVE	1 1 1 1 1 1 1 1 1 1 1
5	8519890	⊗ MSCR,CHH,SS,M6-1.0 X 30MM	2 2 2 2 2 2 2 2 2 2 2
6	603618229	CHARGING WIRE UL/CSA CPL.	1 1 1 - - - - - - - - -
7	8500809	GASKET,MILK VALVE	1 1 1 1 1 1 1 1 1 1 1
	8500854	GASKET,MILK VALVE,LARGE	1 1 1 1 1 1 1 1 1 1 1
8	3558088	⊗ NUT,LOCK,ELAS,SS,M6-1.0MM	2 2 2 2 2 2 2 2 2 2 2
	603331705	UNDERPART FOR 38 MM HANDY-GRIP	- - - 1 - - - - - - - -
9	603331700	TOP PART, BOTTOM PART AND LID	1 - - - - 1 - - - - - -
	603331734	UNDERPART 63,5 MM HANDY-GRIP	- 1 - - - - - - - - - -
	603331914	UNDERPART 76 MM HANDY-GRIP	- - 1 - - - 1 1 1 1 1 1
10	601236001	O-RING,26MM X 2MM NBR 70	1 1 1 - - - - - - - - -
11	603020110	GASKET OUTSIDE	- - - 1 1 1 1 1 1 1 1 1
12	603331740	RETAINING HOOK	- - - 1 1 1 1 1 1 1 1 1
13	1400901	PLUG,SQ HD,GALV,3/8	1 1 1 - - - - - - - - -
14	3553278	ADAPTER,5/8HOSE X 3/8NPT	1 1 1 - - - - - - - - -
15	8515287	HOSE,MILK,SILICONE,5/8IDX100FT	a/r a/r a/r - - - - - -
16	3557605	⊗ SCREW,PNH,M5 X 16MM	- - - 1 1 1 1 1 1 1 1 1
17	3557730	COVER,MILK,SLIDING,COMPANION	1 1 1 1 1 1 1 1 1 1 1 1
	603331700	TOP PART, BOTTOM PART AND LID	1 - - - - 1 - - - - - -
18	603331697	TOP PART FOR 63,5 MM	- 1 - - - - - - - 1 - - 1
	603331698	TOP PART FOR 76 MM	- - 1 - - - 1 1 1 - 1 -
19	3550833	RING,RETAINING,EXT,E,.312	1 1 1 - - - - - - - - -
20	3558457	⊗ COVER,DUST,COMP CONN,1.5-2.0"	1 1 - 1 1 - - - - - -
	603331913	SUPPORTING PLATE PLASTIC,	- - 1 - - - 1 1 1 1 1 1
21	1917660	CONNECTOR,TERM STRIP, 2-POS	1 1 1 - - - - - - - - -
22	1916626	CONNECTOR,PIN,FERRULE,18 GA	2 2 2 - - - - - - - - -

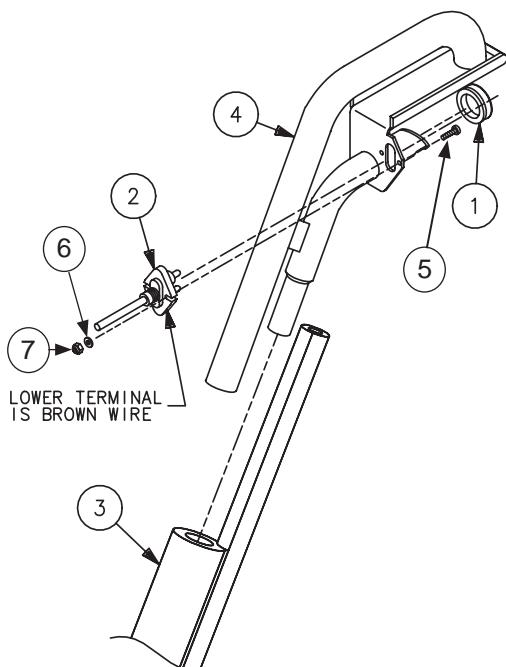
Companion Detacher with Indicator Kits

SECTION D	PAGE 71
EFFECTIVE: 9/14/18	



ITEM	PART NO.	⊗=OBSOLETE n/s=NOT SHOWN	DESCRIPTION	QTY REQUIRED (a/r=AS REQUIRED)			
				810	820	821	822
	3557810	⊗	Kit, Indicator Comp. (Upgrade)				
	3557820	⊗	Kit, Comp w/Indic, L/Connector				
	3557821	⊗	Kit, Comp w/Indic, w/2-2.5" Conn				
	3557822	⊗	Kit, Comp w/Indic, w/3" Conn				
1	3557554	⊗	Detacher Assy, Companion	-	1	-	-
	3557656	⊗	Detacher Assy, Companion, L/Conn (Parts for detachers on pages D-68 & 69)	-	-	1	1
2	3557659	⊗ n/s	Handle, 2/2.5", L/Cable	-	-	1	-
	3557660	⊗ n/s	Handle, 3", L/Cable (Parts on page D-71)	-	-	-	1
3	-----			-	-	-	-
4	3557826	⊗	PWB, Comp, Milk Yield Indicator	1	1	1	1
5	8506897		Retainer, Hanger, Claw	2	2	2	2
6	3557809	⊗	Hanger Assy, Companion, Hoses (Parts for detachers on pages D-68 & 69)	1	1	1	1
7	3657807	⊗	*Indicator, Companion, Yield, Milk (Includes items 8 thru 10)	1	1	1	1
8	3557823		Sensor, Comp Milk Yield Indicator	1	1	1	1
9	3557824	⊗	Cover & Label Assy, Comp M.Y.I.	1	1	1	1
10	3557825	⊗	Enclosure, L/Cover, Comp M.Y.I.	1	1	1	1

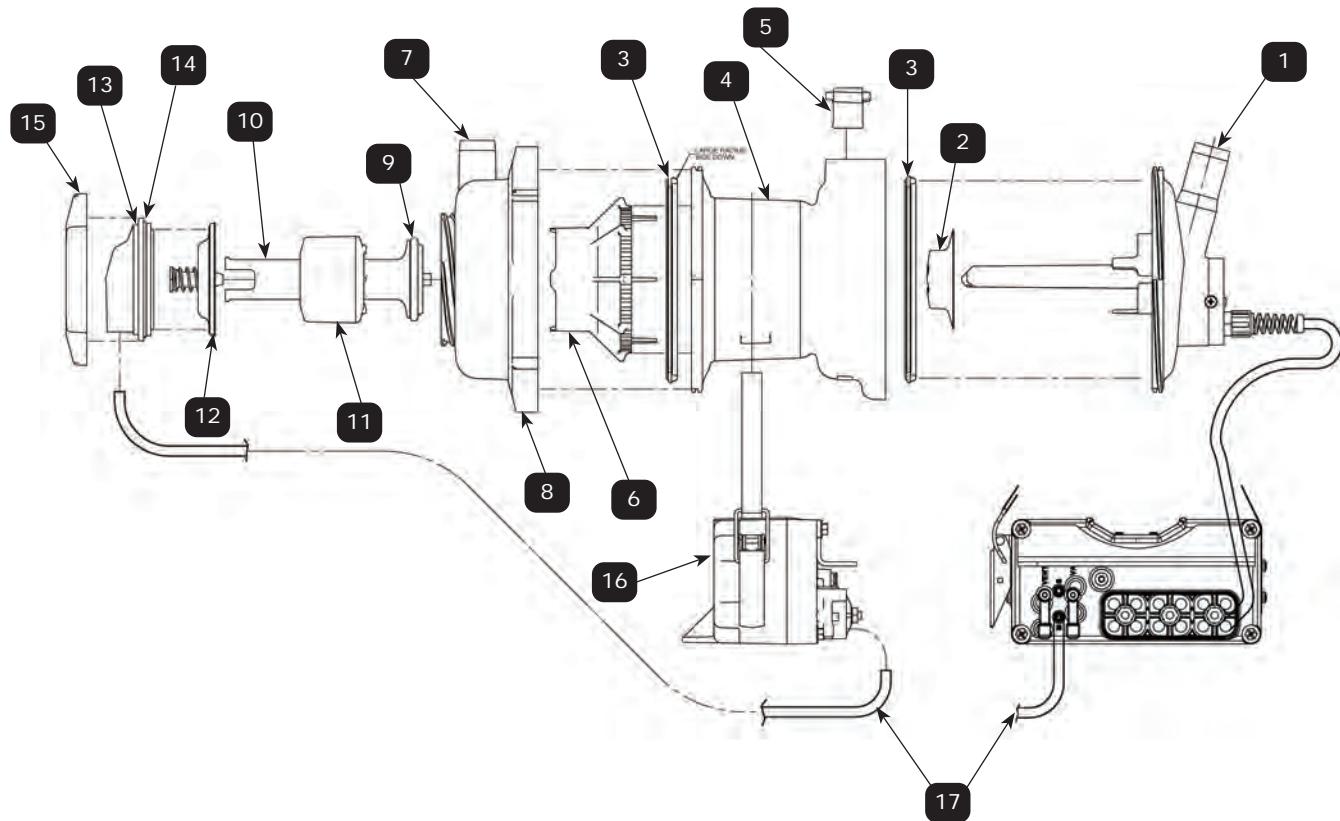
Companion Connector Handle



ITEM	PART NO.	⊗=OBSOLETE n/s=NOT SHOWN	DESCRIPTION	QTY. REQ. a/r=AS REQ.	
				a/r	a/r
	3562786	⊗	Handle, 2"/2.5", Companion Connector	-	-
	3562787	⊗	Handle, 3", Companion Connector	-	-
1	603331737		Gasket, V, Companion Connector	1	1
2	603331928		Cable Assy, Comp., w/Fasteners (Includes items 5 thru 7)	1	1
3	3557654		Hose, Vac/Elect, Twin, Notched	a/r	a/r
	3557659 1	⊗	Handle, 2/2.5", L/Cable	1	-
	3557660 1	⊗	Handle, 3", L/Cable	-	1
4	603331940		Handgrip,2-2.5"	1	-
	603331941		Handgrip,3"	-	1
	(Handgrips include V Gasket, Item #1 - 603331737)				
5	1096155		Mscr, Pnh, SS, 4-40 x 3/4	2	2
6	1208397		Washer, Plain, SS, #4	2	2
7	1222376		Nut, Lock, Elas, SS, 4-40	2	2

Note:

1. When replacing handle(s), all sliding milk valve covers (3557730) will be need to be replaced.

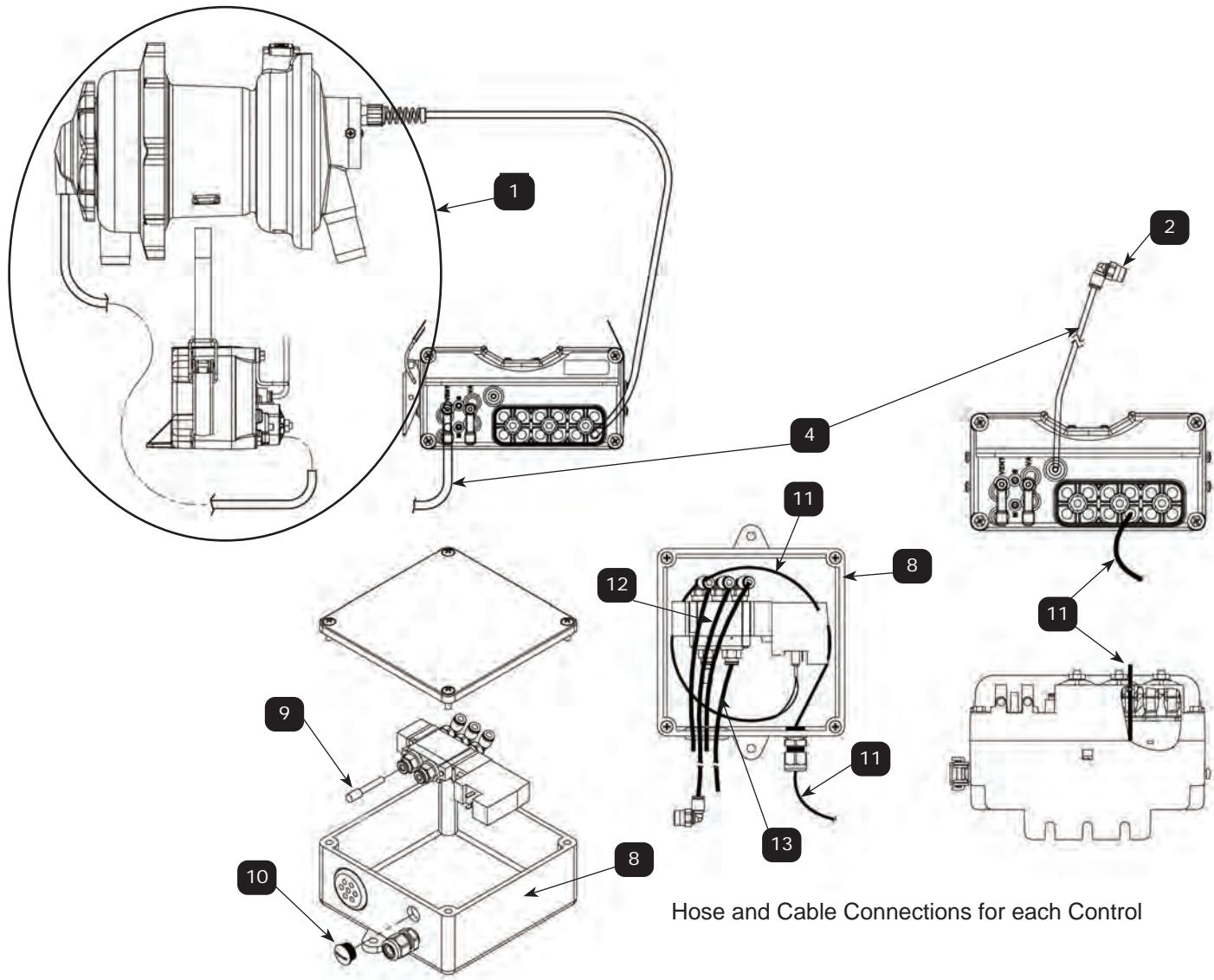
Meter Assembly, Right & Left Hand, Air Shutoff

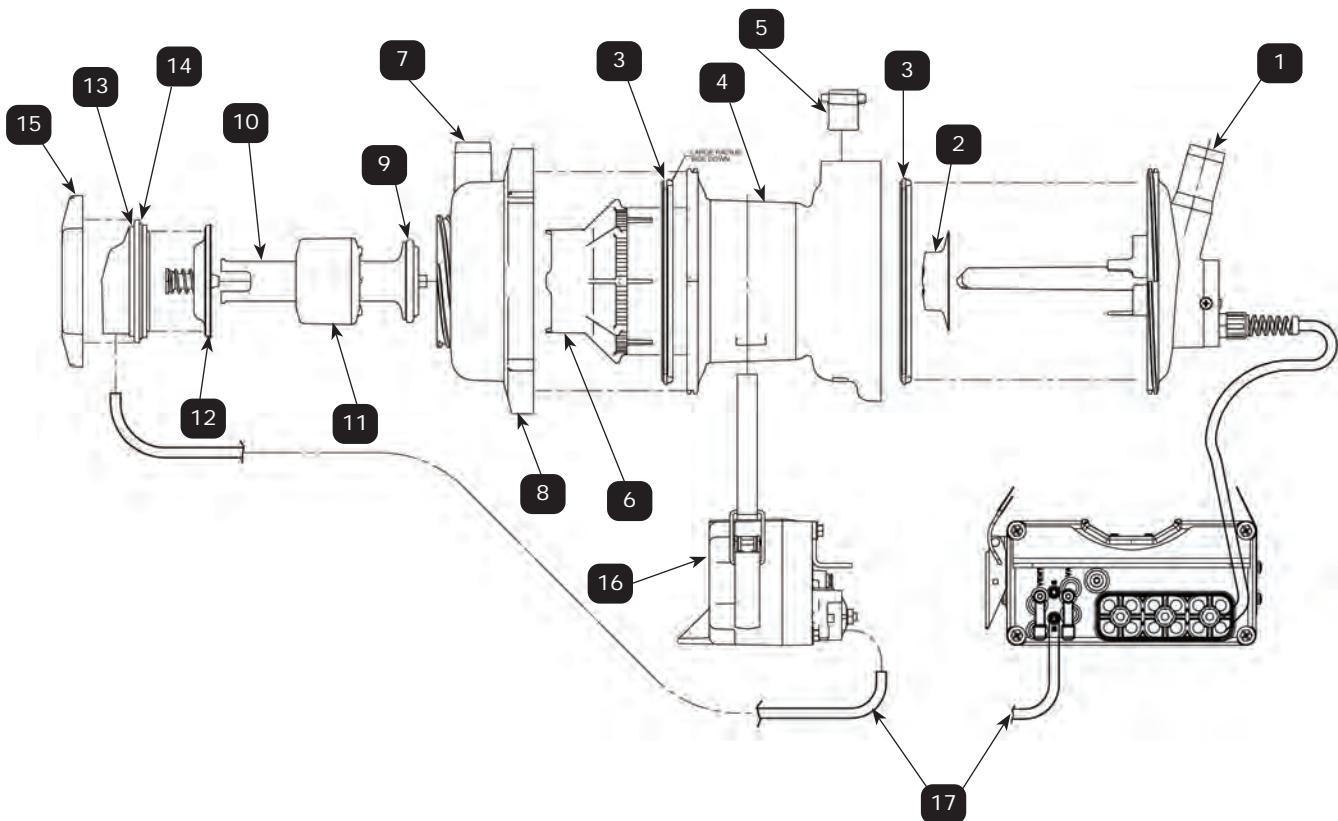
ITEM	PART NO.	DESCRIPTION	QTY REQUIRED (a/r=As Required)	
	3560107	Meter Assy, LH, Air	0107	
	3560108	Meter Assy, RH, Air		0108
1	3559186	Outlet Assy, Meter Service	1	1
2	3556232	Deflector, Wash	1	1
3	3555852	Gasket, Meter	2	2
4	3555861	Body, Meter	1	1
5	3556266	Plug, Sampler	1	1
6	3556229	Baffle, Meter	1	1
7	3556361	Inlet, LH, Meter	1	-
	3555850	Inlet, RH, Meter	-	1
8	3556366	Ring, Inlet, Meter	1	1
9	3555610	O-Ring, 1.475 x .210	1	1
10	3556231	Plunger, Meter	1	1
11	3556418	Float Assy, Calibrated	1	1
12	3556621	Kit, Service, Perf 3000, MM (Includes Item #3, 5, 9 and 14)	1	1
13	3556190	Cap, Diaphragm, w/groove	1	1
14	3556392	O-Ring, 2.489 x .070	1	1
15	3555854	Ring, Cap, Meter	1	1
16	3560106	Control Assy, SmartControl, Air (Refer to SmartControl Meter Assembly, Control, Air & Vacuum Shutoff page D-76 for parts breakdown)	-	-
17	3556371	Hose, Silicone, .125 x .06 wall	a/r	a/r

SmartControl Meter Assembly, General Usage, Right & Left Hand, Air Shutoff

SECTION	PAGE
D	73
EFFECTIVE: 9/14/10	

ITEM	PART NO.	⊗=Obsolete n/s=Not Shown	DESCRIPTION	QTY REQUIRED (a/r=As Required)	
	3560730		Meter Assy, SmartControl, LH, Air	0730	
	3560731	⊗	Meter Assy, SmartControl, RH, Air	0731	
			Meter Assy, RH, Air <i>(Refer to Meter Assembly, Right & Left Hand, Air Shutoff page for parts breakdown)</i>	-	-
1	3560108		Meter Assy, LH, Air <i>(Refer to Meter Assembly, Right & Left Hand, Air Shutoff page for parts breakdown)</i>	-	-
2	8507015		Conn, SWL, Elb, 5/32 OD x 1/4 NPT	2	2
3	3556483	n/s	Elbow, .90, Nyl, 1/4 NPT x 1/4 Hose	2	2
4	322641YW	⊗	Tube, Nylon, Yellow, 5/32", 500ft	a/r	a/r
5	3556372	n/s	Hose, Silicone, .25 x .09 Wall	a/r	a/r
6	-----	n/s	Nut, Hex, Flange, LCK, 1/4-20, SS	3	3
7	3559459	n/s	Brkt Assy, Mounting, Milk Meter	1	1
8	3560105		Enclosure Assy, Valve, Air <i>(Refer to Valve Assembly, 1 & 2 Valve, Air page D-47 for parts breakdown)</i>	-	-
9	8507089		Conn, Push, Plug, 5/32	1	1
10	3560493		Plug, Dome, PG7	1	1
11	3559502		Cable Assy, One Stall, T-Point	1	1
12	3556251		Hose, Nylon, Nat, 5/32 OD x 500ft	a/r	a/r
13	3556250		Hose, Nylon, Grn, 5/32 OD x 500ft	a/r	a/r

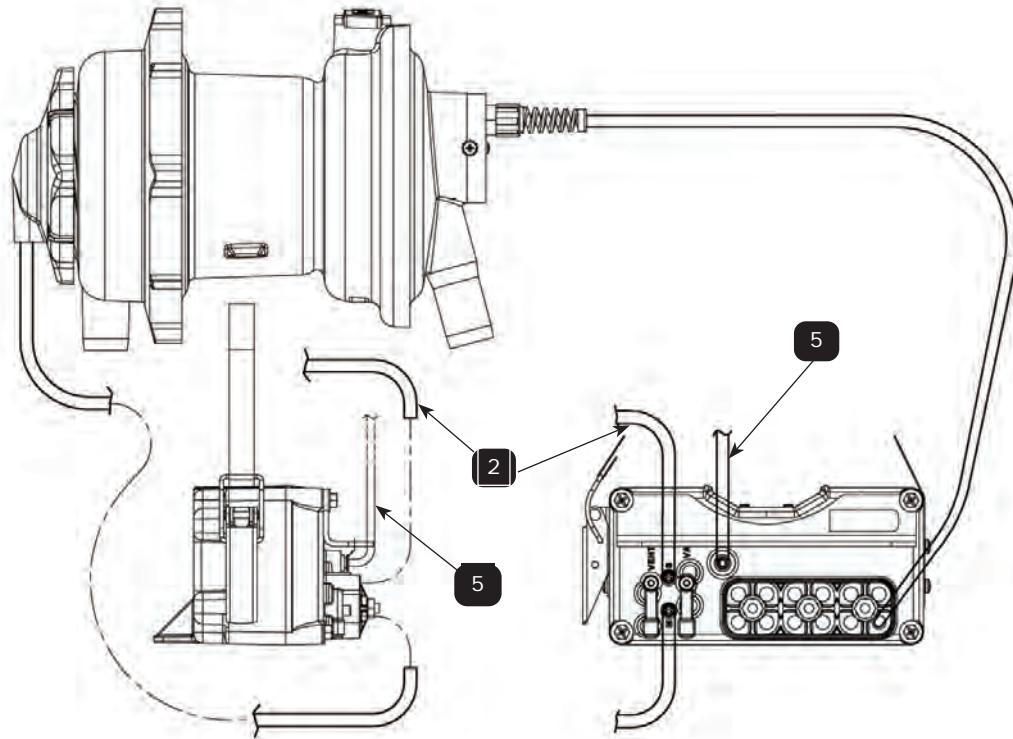


Meter Assembly, Right & Left Hand, Vacuum Shutoff

ITEM	PART NO.	DESCRIPTION	QTY REQUIRED (a/r=As Required)	
	3559861	Meter Assy, RH, Vac	9861	
	3559862	Meter Assy, LH, Vac		9862
1	3559186	Outlet Assy, Meter Service	1	1
2	3556232	Deflector, Wash	1	1
3	3555852	Gasket, Meter	2	2
4	3555861	Body, Meter	1	1
5	3556266	Plug, Sampler	1	1
6	3556229	Baffle, Meter	1	1
7	3556361	Inlet, LH, Meter	-	1
	3555850	Inlet, RH, Meter	1	-
8	3556366	Ring, Inlet, Meter	1	1
9	3555610	O-Ring, 1.475 x .210	1	1
10	3556231	Plunger, Meter	1	1
11	3556418	Float Assy, Calibrated	1	1
12	3556697	Diaphragm Assy, Meter, Repl	1	1
13	3556190	Cap, Diaphragm, w/groove	1	1
14	3556392	O-Ring, 2.489 x .070	1	1
15	3555854	Ring, Cap, Meter	1	1
16	3559198	Control Assy, SmartControl, Vac <i>(Refer to SmartControl Meter Assembly, Control, Air & Vacuum Shutoff page D-76 for parts breakdown)</i>	-	-
17	3556371	Hose, Silicone, .125 x .06 wall	a/r	a/r
18	3556621	n/s Kit, Service, Perf 3000, MM <i>(Includes Item #3, 5, 9 and 14)</i>	1	1

**SmartControl Meter Assembly, General
Usage, Right & Left Hand, Vacuum Shutoff**

SECTION D	PAGE 75
EFFECTIVE:	10/25/10



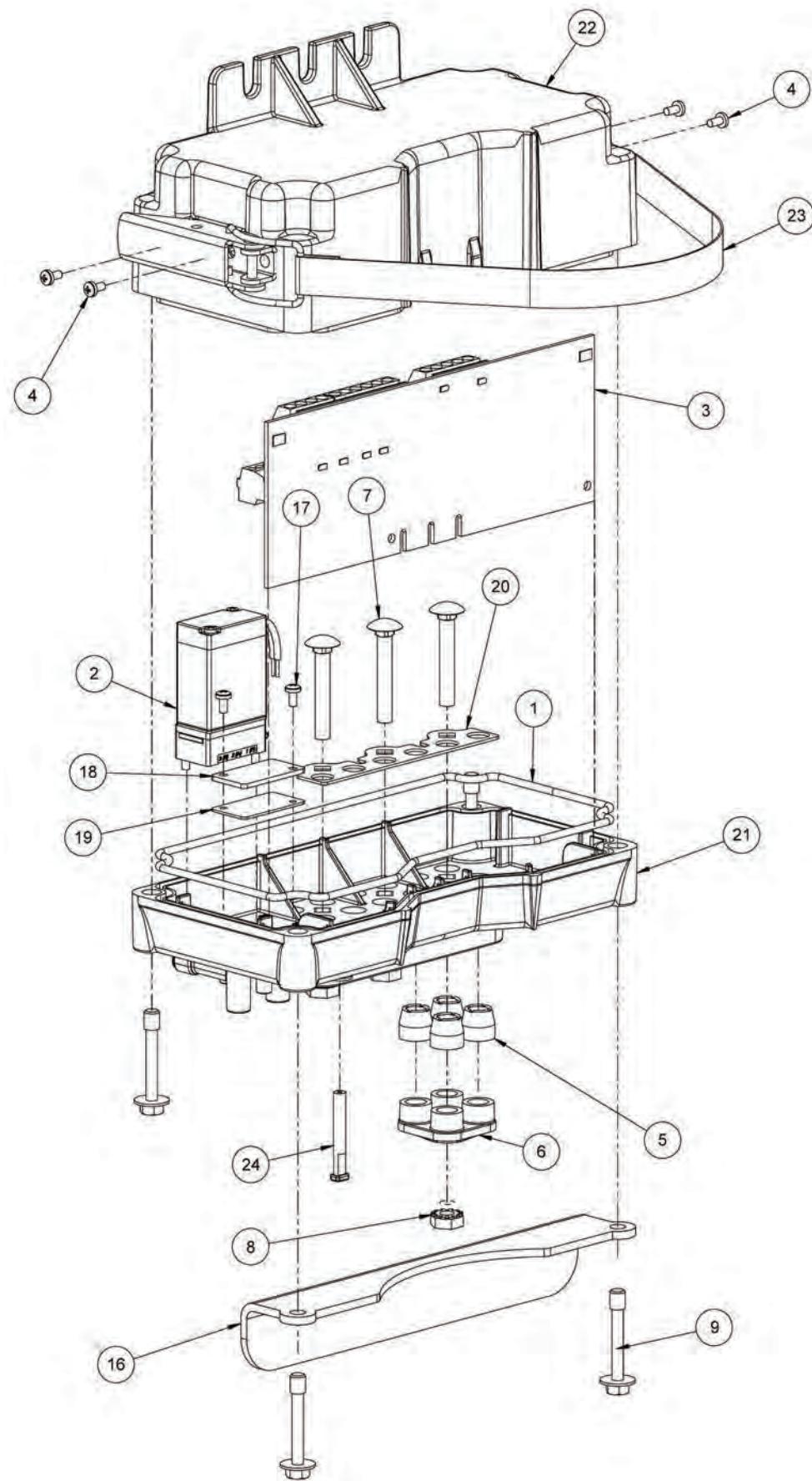
ITEM	PART NO.	⊗=Obsolete n/s=Not Shown	DESCRIPTION	QTY REQUIRED (a/r=As Required)
	3559199		Meter Assy, SmartCtrl, RH, Vac	9199
	3559200		Meter Assy, SmartCtrl, LH, Vac	9200
1	3559861	n/s	Meter Assy, RH, Vac	-
	3559862	n/s	Meter Assy, LH, Vac	-
2	3556371		Hose, Silicone, .125 x .06 Wall	a/r
3	8507015	n/s	Conn, Swl, Elb, 5/32 OD x 1/4 NPT	1
4	3556483	n/s	Elbow, 90 Nyl, 1/4 NPT x 1/4 Hose	2
5	322641YW	⊗	Tube, Nylon, Yellow, 5/32", 500 ft	a/r
6	3556372	n/s	Hose, Silicone, .25 x .09 Wall	a/r
7	-----	n/s	Nut, Hex, Flange/Lck, 1/4-20, SS	3
8	3559459	n/s	Brkt Assy, Mtg, Milk Meter	1

**SmartControl Meter Assembly,
Control, Air & Vacuum Shut Off**

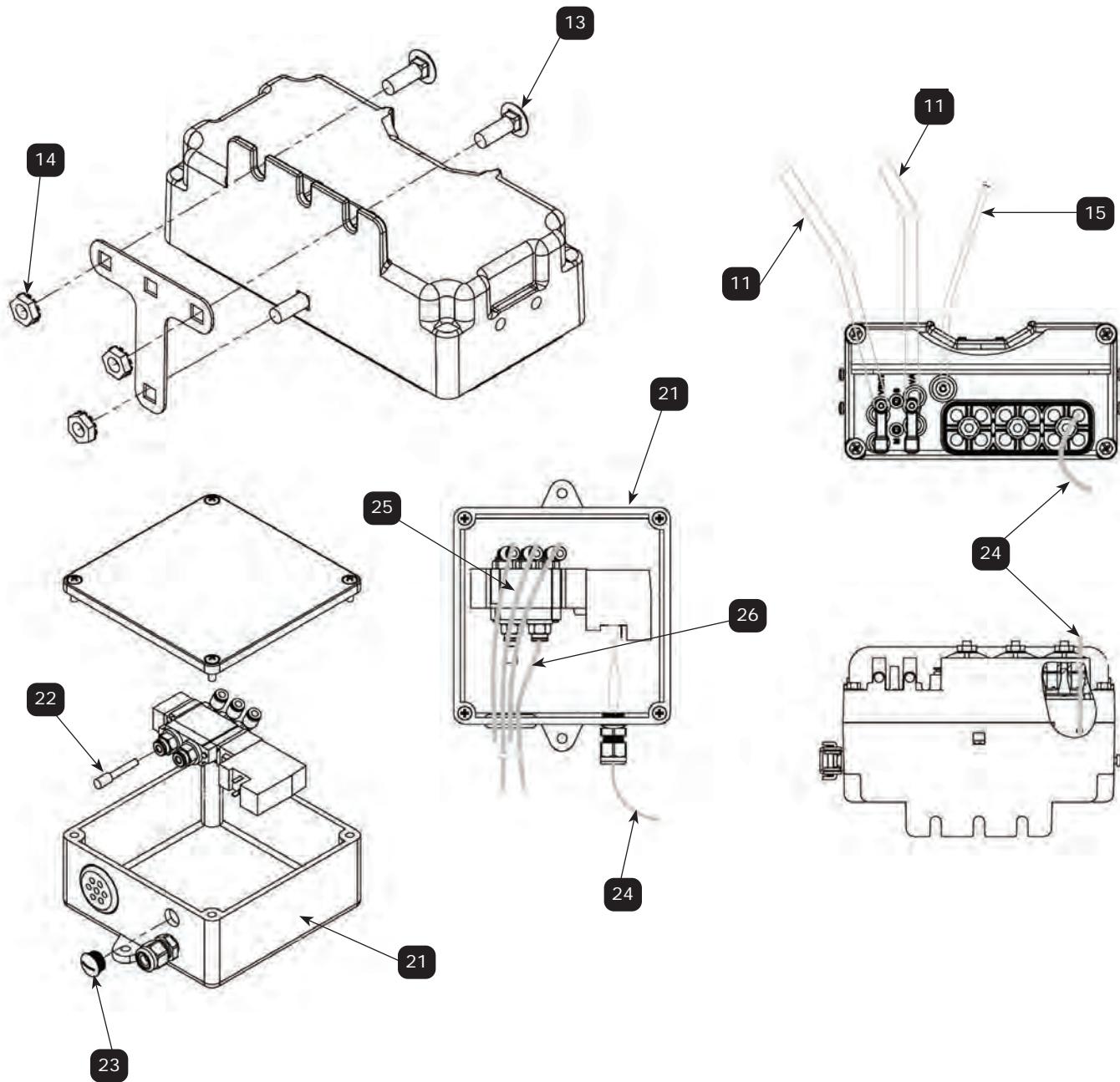
ITEM	PART NO.	DESCRIPTION	QTY REQUIRED (a/r=As Required)	
	3559198	Ctrl Assy, SmartCtrl, Vac	9198	
	3560106	Ctrl Assy, SmartCtrl, Air	0106	
1	3559195	O-Ring, 5.345 x .070, Silicone	1	1
2	3559316	Valve, Solenoid, Meter	2	1
3	3559117	PWB Assy, SmartControl	1	1
4	-----	MSCR, PNH, SS, M3.5-.6 x 6, Nyl	4	4
5	3559147	Bushing, Cable, .265 Dia.	12	12
6	3559146	Plate, Compression, Str-Rlf	3	3
7	-----	Bolt, CRG, SS, 10-24 x 1.25	3	3
8	-----	Nut, Hex, Keps, SS, 10-24	3	3
9	3559206	Screw, Captive, HWH, SS, M5-.8 x 30	4	4
10	1916874	n/s Connector, Plug, VT, 10-Pin x 3.5MM	1	1
11	1916875	n/s Connector, Plug, VT, 9-Pin x 3.5MM	1	1
12	3559205	n/s Conn, Term Block, 6-Pin, 5MM	1	1
13	3559204	n/s Conn, Term Block, 5-Pin, 5MM	1	1
14	3559203	n/s Conn, Term Block, 4-Pin, 4MM	1	1
15	1939514	n/s Insulator, Sleeve, PVC, 08	a/r	a/r
16	3559860	Bracket, Stiffener, SmartControl	1	1
17	-----	MSCR, PNH, SS, M2.5 x 5.0	-	2
18	3560109	Plate, Blanking, Solenoid	-	1
19	3559998	Gasket, Blanking, Solenoid	-	1
20	3559890	Plate, Backup, Strain-Rlf	1	1
21	3559142	Manifold, Mtg, Meter	1	1
22	3559141	Housing, Mtg, Meter	1	1
23	3559197	Latch Assy, P-Metrix 3000	1	1
24	8507089	Conn, Push, Plug, 5/32	1	1

**SmartControl Meter Assembly,
Control, Air & Vacuum Shut Off**

SECTION D PAGE 77
EFFECTIVE: 5/6/20



**SmartControl Meter Assembly, 3 & 4 Stall Group
for TouchPoint, Right & Left Hand, Air Shutoff**

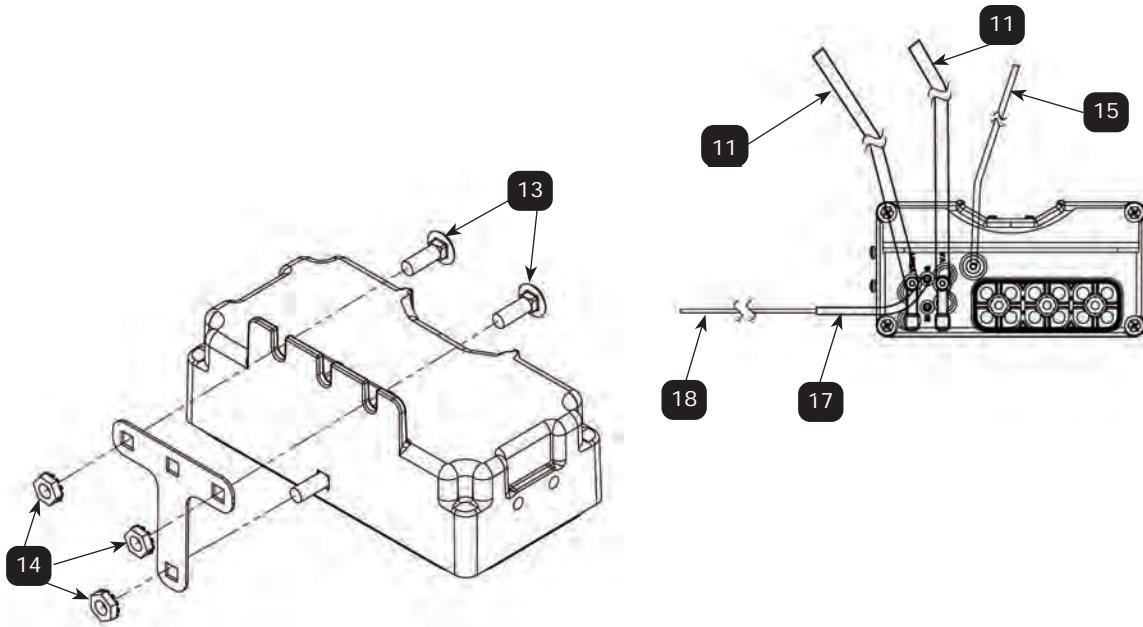


**SmartControl Meter Assembly, 3 & 4 Stall Group for
TouchPoint, Right & Left Hand, Air Shutoff cont'd**

SECTION D	PAGE 79
EFFECTIVE: 10/25/10	

ITEM	PART NO.	Q=Obsolete n/s=Not Shown	DESCRIPTION	QTY REQUIRED (a/r=As Required)			
	3559837		Meter Assy, TP, LH, Air, 3 Cow Grp	9837			
	3559839		Meter Assy, TP, LH, Air, 4 Cow Grp		9839		
	3560349		Meter Assy, TP, RH, Air, 3 Cow Grp			0349	
	3560350		Meter Assy, TP, RH, Air, 4 Cow Grp				0350
	3560107	n/s	Meter Assy, LH, Air <i>(Refer to Meter Assembly, Right & Left Hand, Air Shutoff page for part breakdown)</i>	-	-	-	-
1	3560108	n/s	Meter Assy, RH, Air <i>(Refer to Meter Assembly, Right & Left Hand, Air Shutoff page for part breakdown)</i>	-	-	-	-
2	3557453	n/s	Termination, Prism	1	1	1	1
3	3560101	⊗	Cable Assy, Prism-Sub, 84"	2	3	2	3
4	3560100	n/s	Cable Assy, Prism-Sub, 100 ft	1	1	1	1
5	3560103	⊗	Cable Assy, Power, 84"	2	3	2	3
6	3560104	n/s	Cable Assy, Power, 100 ft	1	1	1	1
7	3560102	⊗	Cable Assy, Comm, 84"	2	3	2	3
8	3560370	n/s	Cable Assy, Prism-Main, M, 16"	1	1	1	1
9	3560371	n/s	Cable Assy, Prism-Main, F, 74"	1	1	1	1
10	1916643	n/s	Connector, Pin, Dual, 20 ga., Ferrule	8	11	8	11
11	3556372		Hose, Silicone, .25 x .09 Wall	a/r	a/r	a/r	a/r
12	3560705	n/s	Conn, Tee, 1/4 NPT x (2) 1/4 Hose	3	4	3	4
13	-----		Bolt, CRG, SS, 1/4-20 x 3/4	9	12	9	12
14	-----		Nut, Hex, Keps, SS, 1/4-20	18	24	18	24
15	322641YW	⊗	Tube, Nylon, Yellow, 5/32", 500 ft	a/r	a/r	a/r	a/r
16	3560743	n/s	Conn, Push, Tee, 5/32 x 1/4 NPT	4	4	4	4
17	3559777	n/s	Cable Assy, Pulsator, 72"	3	4	3	4
18	3559782	n/s	Connector Assy, Cap, M, 3-Pin	3	4	3	4
19	1939528	n/s	Insulator, Sleeve, PVC, 5/8	a/r	a/r	a/r	a/r
20	1916633	n/s	Connector, Pin, Ferrule, 20 ga.	1	1	1	1
			Enclosure Assy, Valve, Air	-	-	-	-
21	3560105		<i>(Refer to D85 Valve Assembly, 1 & 2 Valve, Air page D-47 for part breakdown)</i>				
22	8507089		Conn, Push, Plug, 5/32	3	4	3	4
23	3560493		Plug, Dome, Pg7	3	4	3	4
24	3559502		Cable Assy, One Stall, T-Point	3	4	3	4
25	3556251		Hose, Nylon, Nat, 5/32 OD x 500 ft	a/r	a/r	a/r	a/r
26	3556250		Hoser, Nylon, Grn, 5/32 OD x 500 ft	a/r	a/r	a/r	a/r

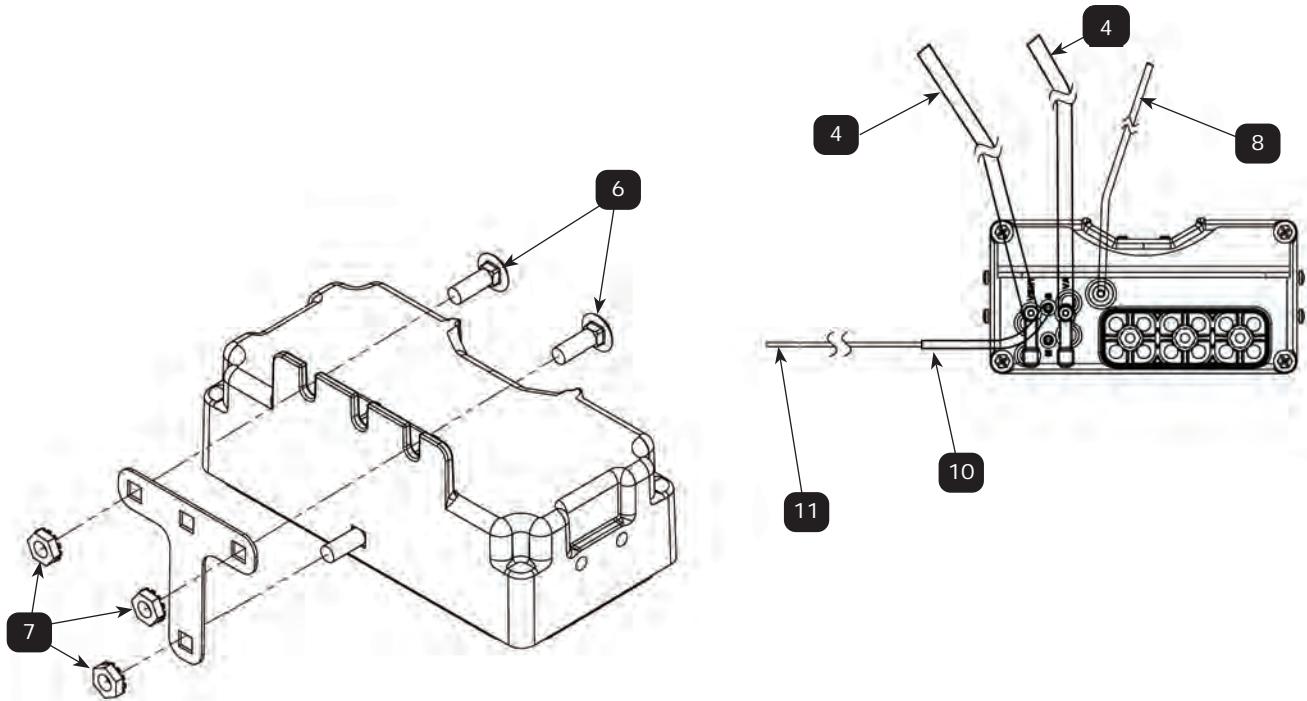
SmartControl Meter Assembly, 3 & 4 Stall Groups for TouchPoint, Right & Left Hand, Vacuum Shutoff



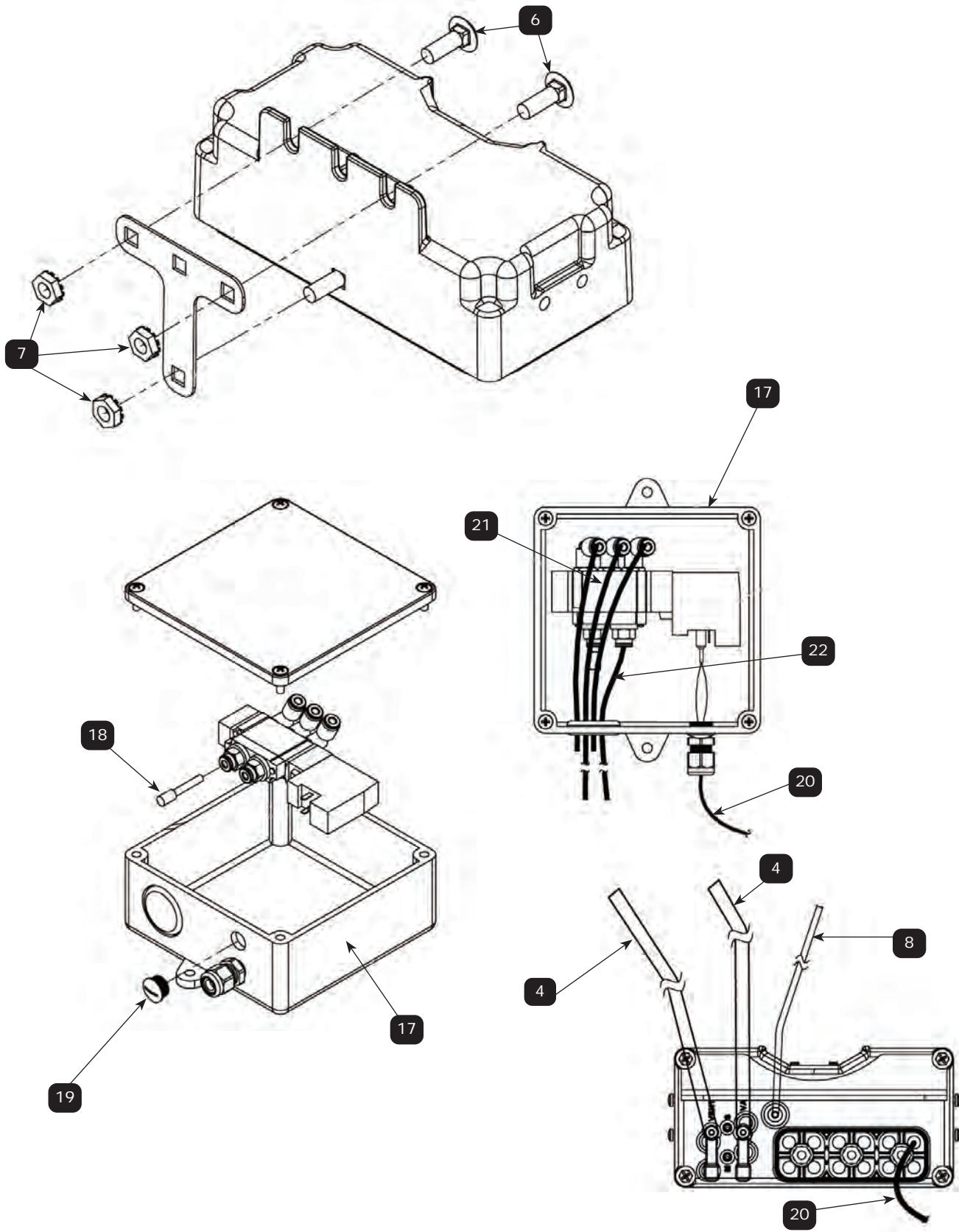
ITEM	PART NO.	DESCRIPTION	QTY REQUIRED (a/r=As Required)			
	3559836	Meter Assy, TP, LH, Vac, 3 Cow Grp	9836			
	3559838	Meter Assy, TP, LH, Vac, 4 Cow Grp		9838		
	3560351	Meter Assy, TP, RH, Vac, 3 Cow Grp			0351	
	3560352	Meter Assy, TP, RH, Vac, 4 Cow Grp				0352
1	3559861	n/s Meter Assy, RH, Vac	-	-	-	-
	3559862	n/s Meter Assy, LH, Vac	-	-	-	-
2	3557453	n/s Termination, Prism	1	1	1	1
3	3560101	⊗ n/s Cable Assy, Prism-Sub, 84"	2	3	2	3
4	3560100	n/s Cable Assy, Prism-Sub, 100 ft	1	1	1	1
5	3560103	⊗ n/s Cable Assy, Power, 84"	2	3	2	3
6	3560104	n/s Cable Assy, Power, 100 ft	1	1	1	1
7	3560102	⊗ n/s Cable Assy, Comm., 84"	2	3	2	3
8	3560370	n/s Cable Assy, Prism-Main, M, 16"	1	1	1	1
9	3560371	n/s Cable Assy, Prism-Main, F, 74"	1	1	1	1
10	1916643	n/s Connector, Pin, Dual, 20 ga., Ferrule	8	11	8	11
11	3556372	Hose, Silicone, .25 x .09 Wall	a/r	a/r	a/r	a/r
12	3560705	n/s Conn, Tee, 1/4 NPT x (2) 1/4 Hose	3	4	3	4
13	-----	Bolt, CRG, SS, 1/4-20 x 3/4	9	12	9	12
14	-----	Nut, Hex, Keps, SS, 1/4-20	18	24	18	24
15	322641YW	⊗ Tube, Nylon, Yellow, 5/32", 500 ft	a/r	a/r	a/r	a/r
16	3560743	n/s Conn, Push, Tee, 5/32 x 1/4 NPT	2	2	2	2
17	3556371	Hose, Sil, .250 OD x .125 ID x .06 W	a/r	a/r	a/r	a/r
18	3556251	Hose, Nyl, Nat, 5/32 OD x 500 ft	a/r	a/r	a/r	a/r
19	3559777	n/s Cable Assy, Pulsator, 72"	3	4	3	4
20	3559782	n/s Connector Assy, Cap, M, 3-Pin	3	4	3	4
21	1939528	n/s Insulator, Sleeve, PVC, 5/8	a/r	a/r	a/r	a/r
22	1916633	n/s Connector, Pin, Ferrule, 20 ga.	1	1	1	1

**SmartControl Meter Assembly, 3 & 4 Stall Group for
ViewPoint, Right & Left Hand, Vacuum Shutoff**

SECTION D	PAGE 81
EFFECTIVE: 11/2/10	



ITEM	PART NO.	Obsolete n/s=Not Shown	DESCRIPTION	QTY REQUIRED (a/r=As Required)			
	3560384		Meter Assy, VP, LH, Vac, 3 Cow Grp	0384			
	3560385		Meter Assy, VP, LH, Vac, 4 Cow Grp		0385		
	3560386		Meter Assy, VP, RH, Vac, 3 Cow Grp			0386	
	3560387		Meter Assy, VP, RH, Vac, 4 Cow Grp				0387
1	3559861	n/s	Meter Assy, RH, Vac	-	-	-	-
	3559862	n/s	Meter Assy, LH, Vac	-	-	-	-
2	3560103	⊗	n/s Cable Assy, Power, 84"	2	3	2	3
3	3560102	⊗	n/s Cable Assy, Comm., 84"	2	3	2	3
4	3556372		Hose, Silicone, .25 x .09 Wall	a/r	a/r	a/r	a/r
5	3560705	n/s	Conn, Tee, 1/4 NPT x (2) 1/4 Hose	3	4	3	4
6	-----		Bolt, CRG, SS, 1/4-20 x 3/4	9	12	9	12
7	-----		Nut, Hex, Keps, SS, 1/4-20	18	24	18	24
8	322641YW	⊗	Tube, Nylon, Yellow, 5/32", 500 ft	a/r	a/r	a/r	a/r
9	3560743	n/s	Conn, Push, Tee, 5/32 x 1/4 NPT	4	4	4	4
10	3556371		Hose, Sil, .250 OD x .125 ID x .06 W	a/r	a/r	a/r	a/r
11	3556251		Hose, Nyl, Nat, 5/32 OD x 500 ft	a/r	a/r	a/r	a/r
12	3560707	n/s	Cable Assy, LED/SW/Q-St, 100 ft	3	4	3	4
13	1939526	n/s	Insulator, Sleeve, PVC, 1/2	a/r	a/r	a/r	a/r
14	3560370	n/s	Cable Assy, Prism-Main, M, 16"	1	1	1	1
15	3560371	n/s	Cable Assy, Prism-Main, F, 74"	1	1	1	1
16	3560104	n/s	Cable Assy, Power, 100 ft	1	1	1	1
17	3559777	n/s	Cable Assy, Pulsator, 72"	3	4	3	4
18	3559782	n/s	Connector Assy, Cap, M, 3-Pin	3	4	3	4

**SmartControl Meter Assembly, 3 & 4 Stall Groups
for ViewPoint, Right & Left Hand, Air Shutoff**

**SmartControl Meter Assembly, 3 & 4 Stall Groups
for ViewPoint, Right & Left Hand, Air Shutoff**

SECTION D	PAGE 83
EFFECTIVE: 11/2/10	

ITEM	PART NO.	⊗=Obsolete n/s=Not Shown	DESCRIPTION	QTY REQUIRED (a/r=As Required)			
				0380	0381	0382	0383
	3560380		Meter Assy, VP, LH, Air, 3 Cow Grp	0380			
	3560381		Meter Assy, VP, LH, Air, 4 Cow Grp		0381		
	3560382		Meter Assy, VP, RH, Air, 3 Cow Grp			0382	
	3560383		Meter Assy, VP, RH, Air, 4 Cow Grp				0383
	3560107	n/s	Meter Assy, LH, Air <i>(Refer to Meter Assembly, Right & Left Hand, Air Shutoff page for part breakdown)</i>	-	-	-	-
1	3560108	n/s	Meter Assy, RH, Air <i>(Refer to Meter Assembly, Right & Left Hand, Air Shutoff page for part breakdown)</i>	-	-	-	-
2	3560103	⊗	n/s Cable Assy, Power, 84"	2	3	2	3
3	3560102	⊗	n/s Cable Assy, Comm., 84"	2	3	2	3
4	3556372		Hose, Silicone, .25 x .09 Wall	a/r	a/r	a/r	a/r
5	3560705		n/s Conn., Tee, 1/4 NPT x (2) 1/4 Hose	3	4	3	4
6	-----		Bolt, CRG, SS, 1/4-20 x 3/4	9	12	9	12
7	-----		Nut, Hex, Keps, SS, 1/4-20	18	24	18	24
8	322641YW	⊗	Tube, Nylon, Yellow, 5/32", 500 ft	a/r	a/r	a/r	a/r
9	3560743		n/s Conn, Push, Tee, 5/32 x 1/4 NPT	4	4	4	4
10	3560707		n/s Cable Assy, Led/SW/Q-St, 100 ft	3	4	3	4
11	1939526		n/s Insulator, Sleeve, PVC, 1/2	a/r	a/r	a/r	a/r
12	3560370		n/s Cable Assy, Prism-Main, M, 16"	1	1	1	1
13	3560371		n/s Cable Assy, Prism-Main, F, 74"	1	1	1	1
14	3560104		n/s Cable Assy, Power, 100 ft	1	1	1	1
15	3559777		n/s Cable Assy, Pulsator, 72"	3	4	3	4
16	3559782		n/s Connector Assy, Cap, M, 3-Pin	3	4	3	4
17	3560105		Enclosure Assy, Valve, Air <i>(Refer to Valve Assembly, 1 & 2 Valve, Air page D-47 for part breakdown)</i>	-	-	-	-
18	8507089		Conn, Push, Plug, 5/32	3	4	3	4
19	3560493		Plug, Dome, PG7	3	4	3	4
20	3559502		Cable Assy, One Stall, T-Point	3	4	3	4
21	3556251		Hose, Nyl, Nat, 5/32 OD x 500 ft	a/r	a/r	a/r	a/r
22	3556250		Hose, Nyl, Grn, 5/32 OD x 500 ft	a/r	a/r	a/r	a/r

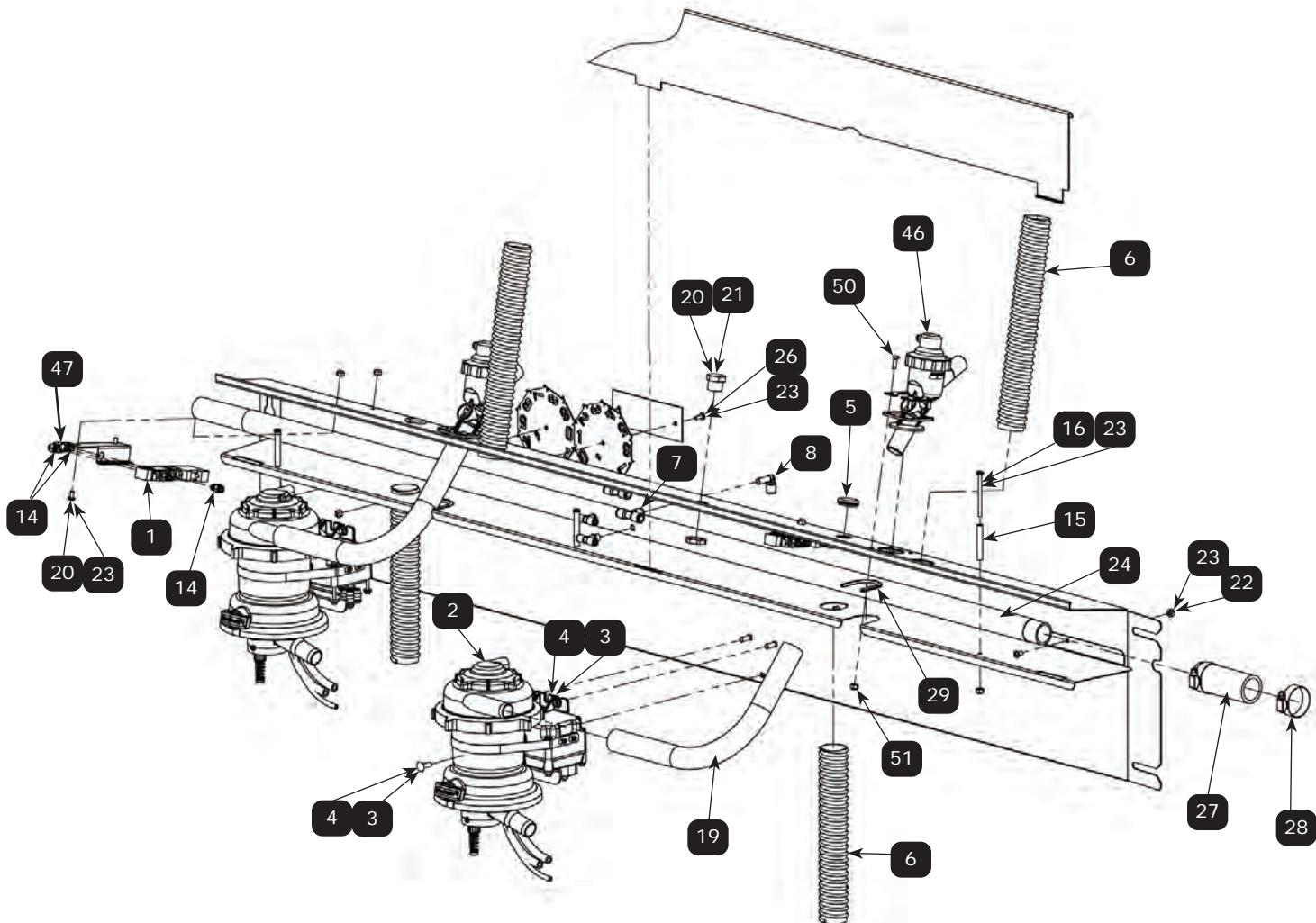
SmartControl Meter Assembly, Xcalibur 360EX, Basement, Right Hand, Vacuum Shut Off

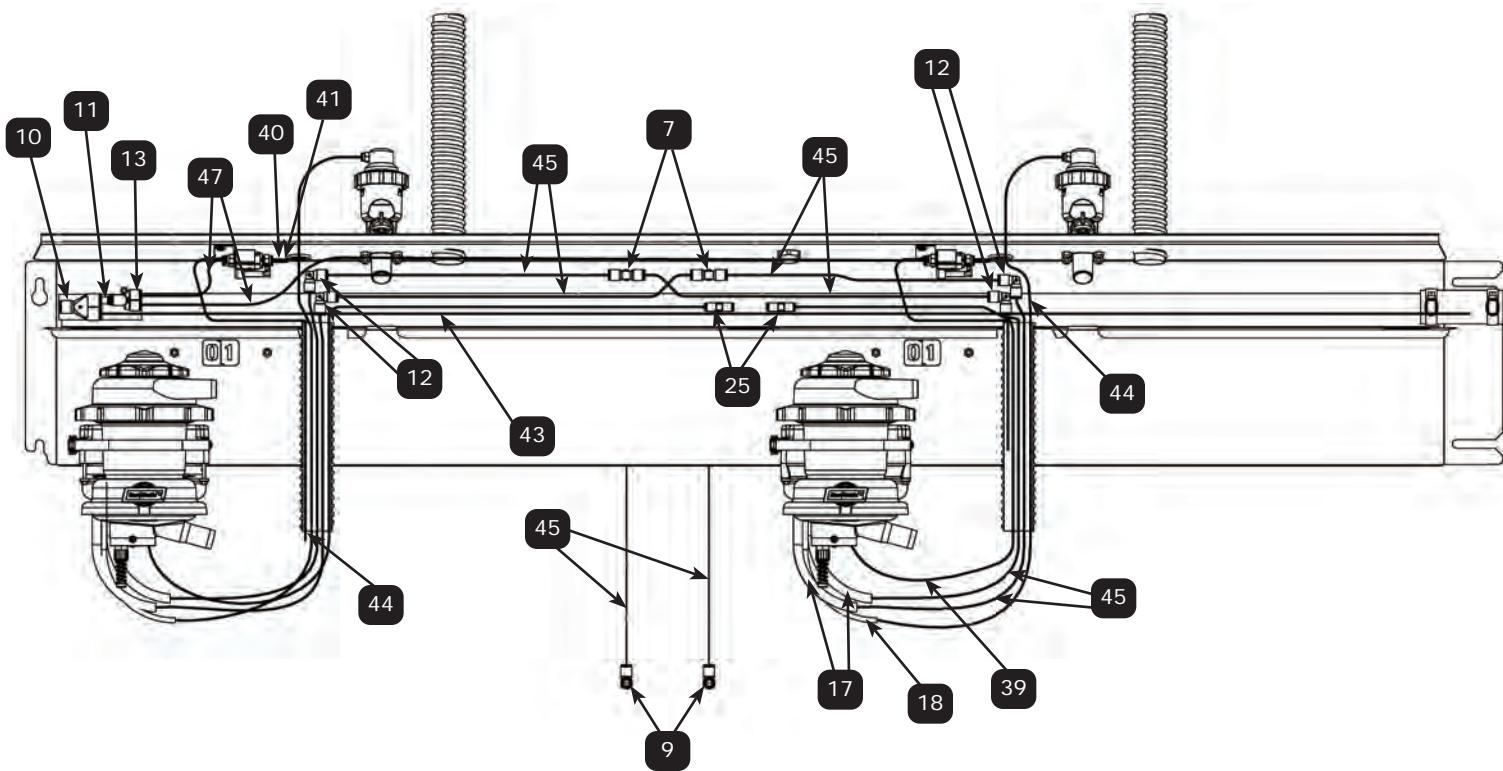
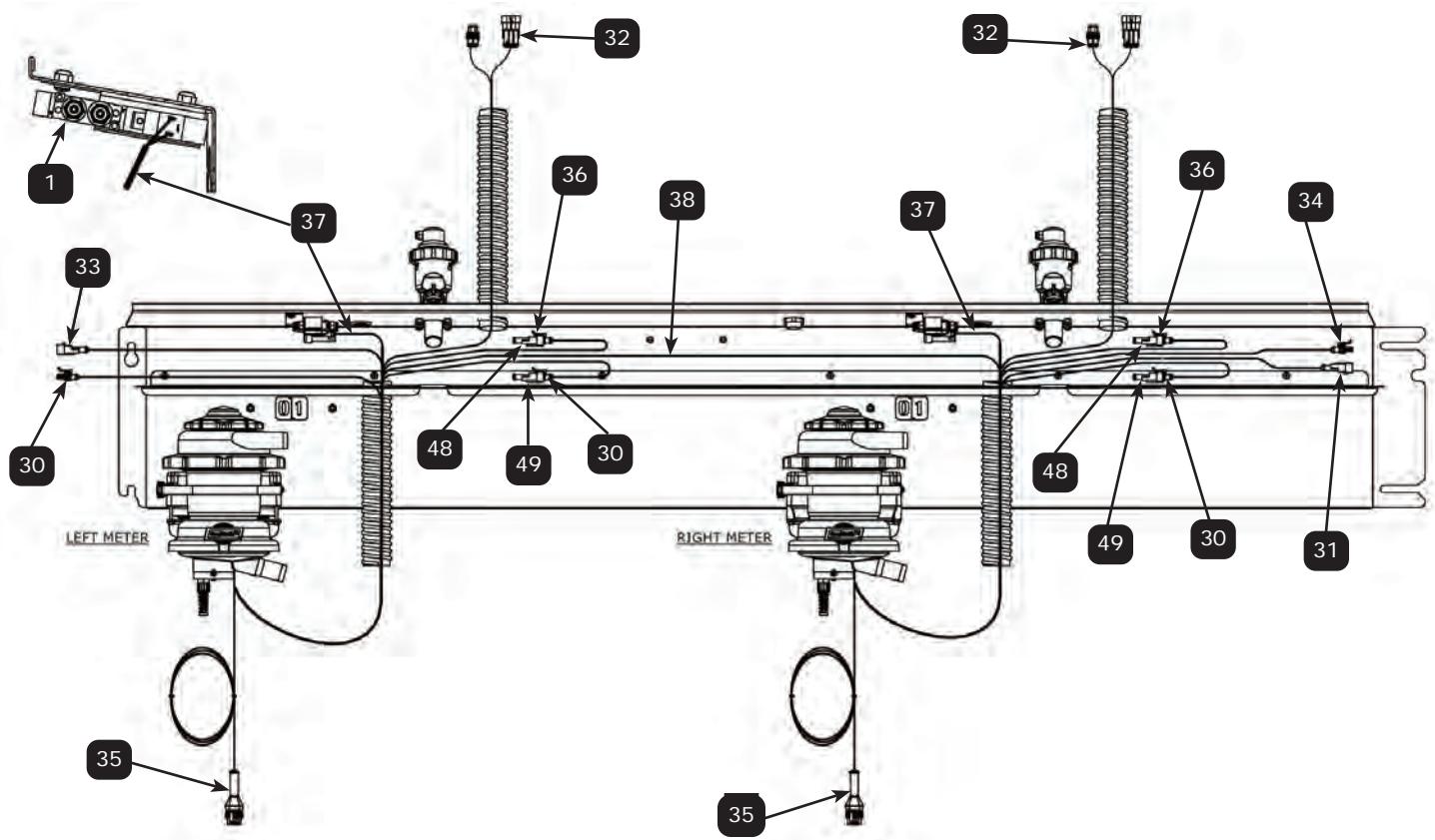
ITEM	PART NO.	⊗=Obsolete n/s=Not Shown	DESCRIPTION	QTY REQUIRED (a/r=As Required)						
				2135	3115	3116	3117	3118	3119	3120
	8592135		SmartCtrl Assy, Xcal360, B-M, 100	2135						
	8583115		SmartCtrl Assy, Xcal360EX, B-M, 80		3115					
	8583116		SmartCtrl Assy, Xcal360EX, B-M, 72			3116				
	8583117		SmartCtrl Assy, Xcal360EX, B-M, 60				3117			
	8583118		SmartCtrl Assy, Xcal360EX, B-M, 50					3118		
	8583119		SmartCtrl Assy, Xcal360EX, B-M, 44						3119	
	8583120		SmartCtrl Assy, Xcal360EX, B-M, 40							3120
1	3559301		Valve, 4-way, Air, Low Power	2	2	2	2	2	2	2
2	3559861		Meter Assy, RH, Vac.	-	-	-	-	-	-	-
3	-----		Bolt, CRG, SS, 1/4-20 x 3/4	6	6	6	6	6	6	6
4	-----		Nut, Hex, Flange, LCK, 1/4-20, SS	6	6	6	6	6	6	6
5	3556157		Grommet, Multiple, 5/32	2	2	2	2	2	2	2
6	8583107		Conduit, Flex, Liq-Tite, 1-1/4	a/r	a/r	a/r	a/r	a/r	a/r	a/r
7	8583112		Conn, Push, Tee, 5/16	2	2	2	2	2	2	2
8	583113		Conn, Push, Elbow, Polug-In, 5/16	2	2	2	2	2	2	2
9	8583114		Conn, Push, Elb, 5/16 x 1/4 NPT	2	2	2	2	2	2	2
10	8583108		Conn, Push, Union Y, 3/8	1	1	1	1	1	1	1
11	8583109		Conn, Push, RDCR, 1/4 x 3/8 Tube	1	1	1	1	1	1	1
12	8583111		Conn, Push, Elbow, 5/16	4	4	4	4	4	4	4
13	3558277		Conn, Push, Union Y, 1/4	1	1	1	1	1	1	1
14	3554159		Conn, Push, 5/32 OD x 1/8 NPT	8	8	8	8	8	8	8
15	-----		Spacer, Rd, Nyl, .312 x .194 x 200	3	3	3	3	3	3	3
16	-----		MSCR, PNH, SS, 10-32 x 2-1/2	3	3	3	3	3	3	3
17	3556372		Hose, Silicone, .25 x .09 Wall	a/r	a/r	a/r	a/r	a/r	a/r	a/r
18	3556371		Hose, Sil, .250 OD x .125 ID x .06 W	a/r	a/r	a/r	a/r	a/r	a/r	a/r
19	8516039		Hose, Milk, Silicone, 3/4 id X 100 ft	a/r	a/r	a/r	a/r	a/r	a/r	a/r
20	3559240		Plug, Hex, HD, Nyl, 1/2 NPT	1	1	1	1	1	1	1
21	1917551		Connector, Dome, Nut, 1/2 NPT	1	1	1	1	1	1	1
22	-----		MSCR, PNH, SS, 10-32 x 3/8	10	10	10	10	10	10	10
23	-----		Nut, Lock, Elas, SS, 10-32	17	17	17	17	17	17	17
24	8583151	⊗	Pipe, PVC, Dry Air, 65.88	1	1	1	1	1	1	1
25	3554109	⊗	n/s Conn, Swl, Tee, 5/32 x 5/32 x 1/8 NPT	2	2	2	2	2	2	2
26	-----		MSCR, PNH, SS, 10-32 x 1/2	4	4	4	4	4	4	4
27	8583130	⊗	Hose, PVC, Reinf, Poly, 1.25 x 100 ft	a/r	a/r	a/r	a/r	a/r	a/r	a/r
28	8510101	⊗	Clamp, Hose, SS, #20, .81 - 1.75	2	2	2	2	2	2	2
29	4016780		Trim, Seal, Flexible	a/r	a/r	a/r	a/r	a/r	a/r	a/r
30	3559929		Cable Assy, DC, Power, M, 45"	3	3	3	3	3	3	3
31	3559928		Cable Assy, DC, Power, F, 45"	1	1	1	1	1	1	1
32	3561033		Cable Assy, LED & SW, M/F, 213"	2	2	2	2	2	2	2
33	3559932		Cable Assy, Prism-Main, F, 45"	1	1	1	1	1	1	1
34	3559931		Cable Assy, Prism-Main, M, 45"	1	1	1	1	1	1	1
35	3559777		Cable Assy, Pulsator, 72"	2	2	2	2	2	2	2
36	3559935		Cable Assy, Prism-Sub, M, 45"	2	2	2	2	2	2	2
37	3559502		Cable Assy, One Stall, T-Point	2	2	2	2	2	2	2
38	3559330		Cable Assy, Stall to Stall	1	1	1	1	1	1	1
39	322641YW	⊗	Hose, Nyl, Yel, 5/32 OD x 500 ft	a/r	a/r	a/r	a/r	a/r	a/r	a/r
40	3556250		Hose, Nyl, Grn, 5/32 OD x 500 ft	a/r	a/r	a/r	a/r	a/r	a/r	a/r
41	3556249		Hose, Nyl, Red, 5/32 OD x 500 ft	a/r	a/r	a/r	a/r	a/r	a/r	a/r
42	3559885	n/s	Hose, Nyl, Nat, 1/4 OD x 500 ft	a/r	a/r	a/r	a/r	a/r	a/r	a/r
43	3558984		Hose, Nyl, Nat, 3/8 OD x 1000 ft	a/r	a/r	a/r	a/r	a/r	a/r	a/r
44	3556251		Hose, Nyl, Nat, 5/32 OD x 500 ft	a/r	a/r	a/r	a/r	a/r	a/r	a/r
45	3559996		Hose, Nyl, Nat, 5/16 OD x 100 ft	a/r	a/r	a/r	a/r	a/r	a/r	a/r

**SmartControl Meter Assembly, Xcalibur 360EX,
Basement, Right Hand, Vacuum Shut Off, cont'd**

SECTION D	PAGE 85
EFFECTIVE: 2/22/18	

ITEM	PART NO.	DESCRIPTION	QTY REQUIRED (a/r=As Required)						
		⊗=Obsolete n/s=Not Shown							
8592135		SmartCtrl Assy, Xcal360, B-M, 100	2135						
8583115		SmartCtrl Assy, Xcal360EX, B-M, 80		3115					
8583116		SmartCtrl Assy, Xcal360EX, B-M, 72			3116				
8583117		SmartCtrl Assy, Xcal360EX, B-M, 60				3117			
8583118		SmartCtrl Assy, Xcal360EX, B-M, 50					3118		
8583119		SmartCtrl Assy, Xcal360EX, B-M, 44						3119	
8583120		SmartCtrl Assy, Xcal360EX, B-M, 40							3120
46	3559544	⊗ Shutoff Assy, w/Nipple, Vac.	-	-	-	-	-	-	-
	3559545	Shutoff Assy, w/Nipple, Air	-	-	-	-	-	-	-
47	3554087	Conn, Push, 1/4 OD x 1/8 NPT	2	2	2	2	2	2	2
48	3559780	Connector, Assy, Cap, M, 2-Pin	2	2	2	2	2	2	2
49	3559782	Connector Assy, Cap, M, 3-Pin	2	2	2	2	2	2	2
50	-----	Bolt, CRG, SS, 10-24 x 5/8	8	8	8	8	8	8	8
51	-----	Nut, Lock, Elas, SS, 10-24	8	8	8	8	8	8	8

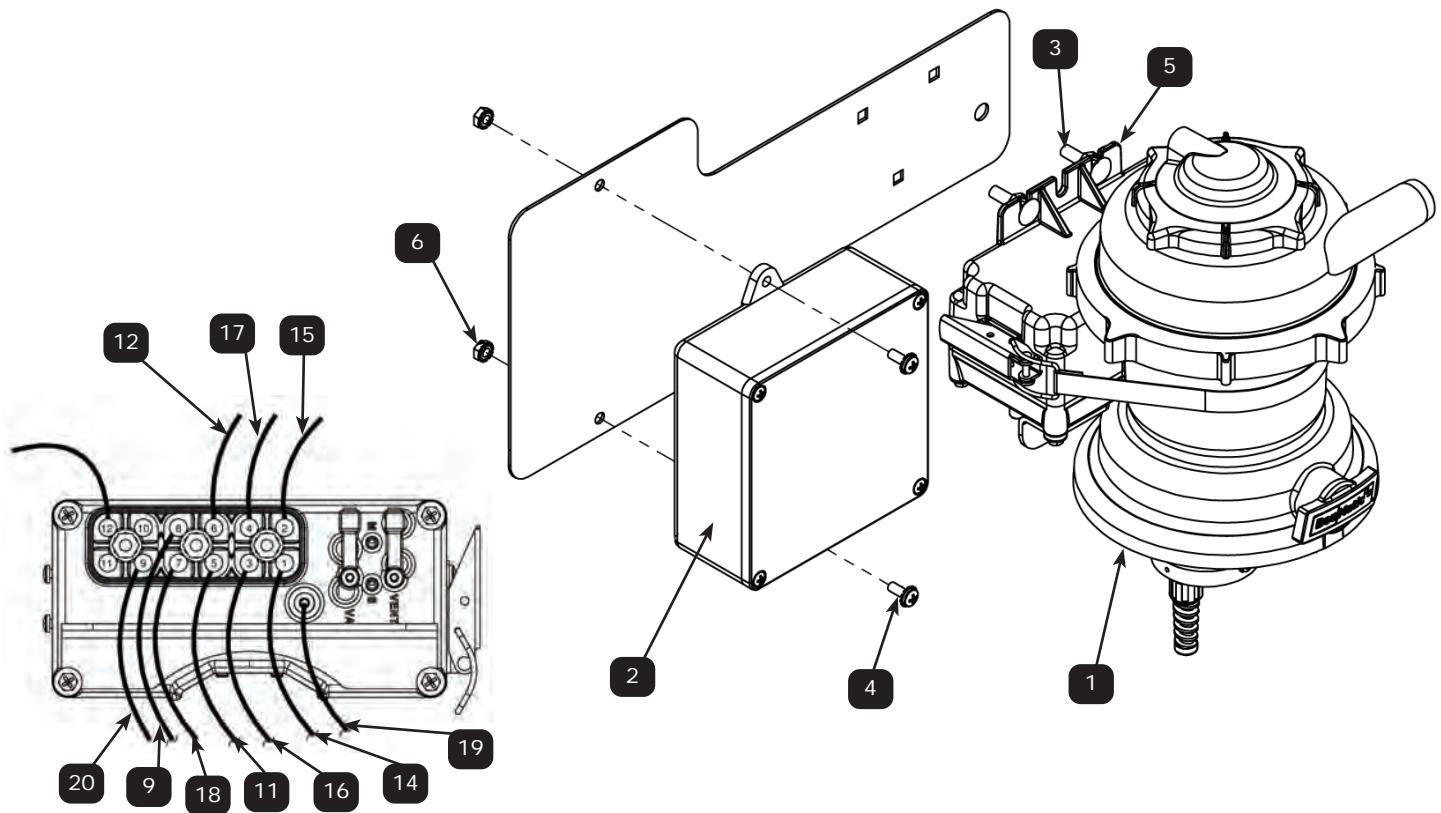


**SmartControl Meter Assembly, Xcalibur 360EX,
Basement, Right Hand, Vacuum Shut Off, cont'd**

**SmartControl Meter Assembly, Xcalibur
Streamline 360EX for TouchPoint,
Non-Basement, Right Hand, Air Shutoff**

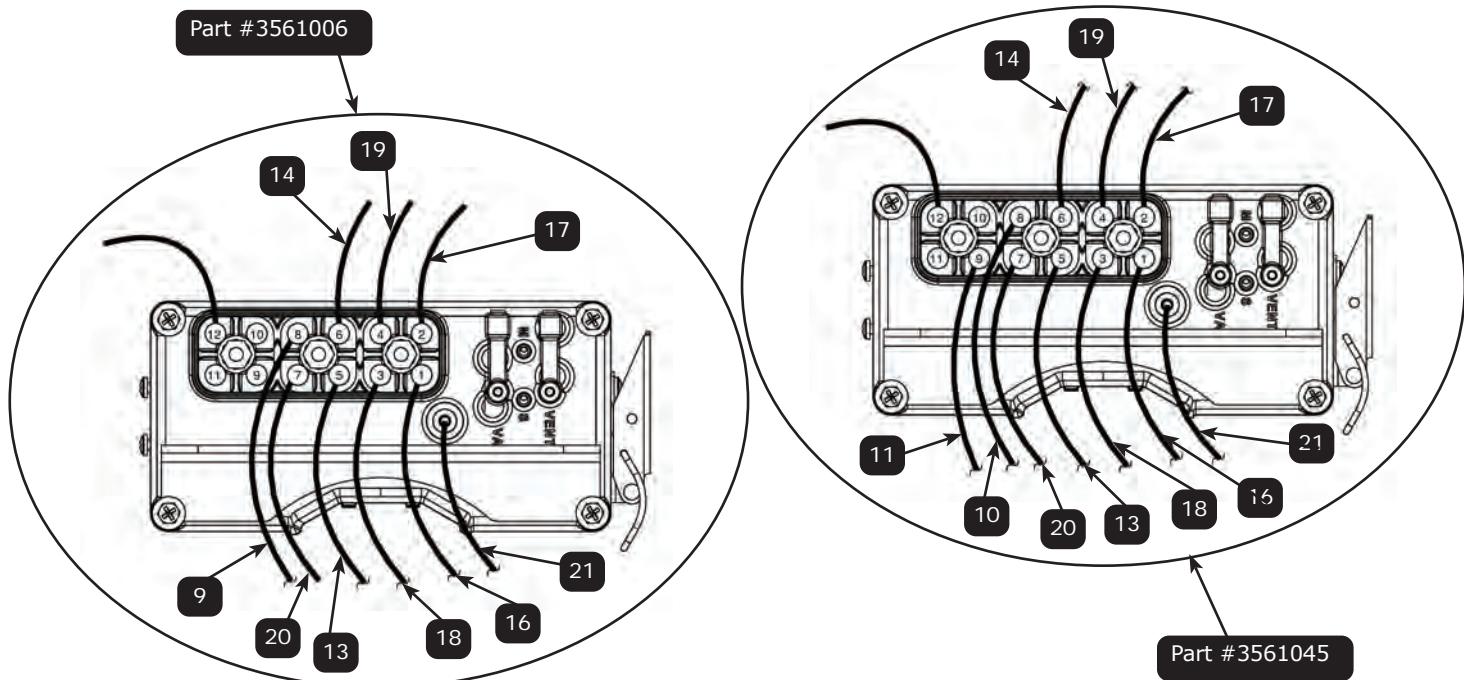
SECTION D	PAGE 87
EFFECTIVE:	2/14/11

ITEM	PART NO.	⊗=Obsolete n/s=Not Shown	DESCRIPTION	QTY REQUIRED (a/r=As Required)
	3561437		Meter Assy, RH, Air, Strln, T-Pnt	1437
	3561438	⊗	Meter Assy, RH, Air, Strln, T-Pnt, Plstc, XP, Vac	1438
1	3560108		Meter Assy, RH, Air (Refer to Meter Assembly, Right & Left Hand, Air Shutoff page for part breakdown)	-
2	3560956		Enclosure Assy, 2 Valve, Air (Refer to Valve Assembly, 1 & 2 Valve, Air page D-47 for part breakdown)	-
	3560105		Enclosure Assy, Valve, Air (Refer to Valve Assembly, 1 & 2 Valve, Air page D-47 for part breakdown)	-
3	-----		Bolt, CRG, SS, 1/4-20 x 1	3
4	-----		MSCR, PNH, SS, Sems, 10-32 x 1/2	2
5	-----		Nut, Hex, Keps, SS, 1/4-20	6
6	-----		Nut, Hex, Keps, SS, 10-32	2
7	8507089	n/s	Conn, Push, Plug, 5/32	1
8	3560493	n/s	Plug, Dome, PG7	1
9	3560954		Cable Assy, Sol. Valves, 360EX	1
	3559502		Cable Assy, One Stall, T-Point	-
10	3556251	n/s	Hose, Nyl, Nat, 5/32 OD x 500ft	a/r
11	3561007		Cable Assy, DC Power, M, 15in.	1
12	3561008		Cable Assy, Prism-Sub, M, 15in.	1
13	3556248	n/s	Hose, Nyl, Blk, 5/32 OD x 500ft	a/r
14	3559928		Cable Assy, DC Power, F, 45in.	1
15	3559929		Cable Assy, DC Power, M, 45in.	1
16	3559932		Cable Assy, Prism-Main, F, 45in.	1
17	3559931		Cable Assy, Prism-Main, M, 45in.	1
18	3559777		Cable Assy, Pulsator, 72in.	1
19	322641YW	⊗	Hose, Nyl, Yel, 5/32 OD x 500ft	a/r
20	3560992		Cable Assy, LED & SW, M/F, 10ft	1
21	3561033	n/s	Cable Assy, LED & SW, M/F, 213in.	-
				1



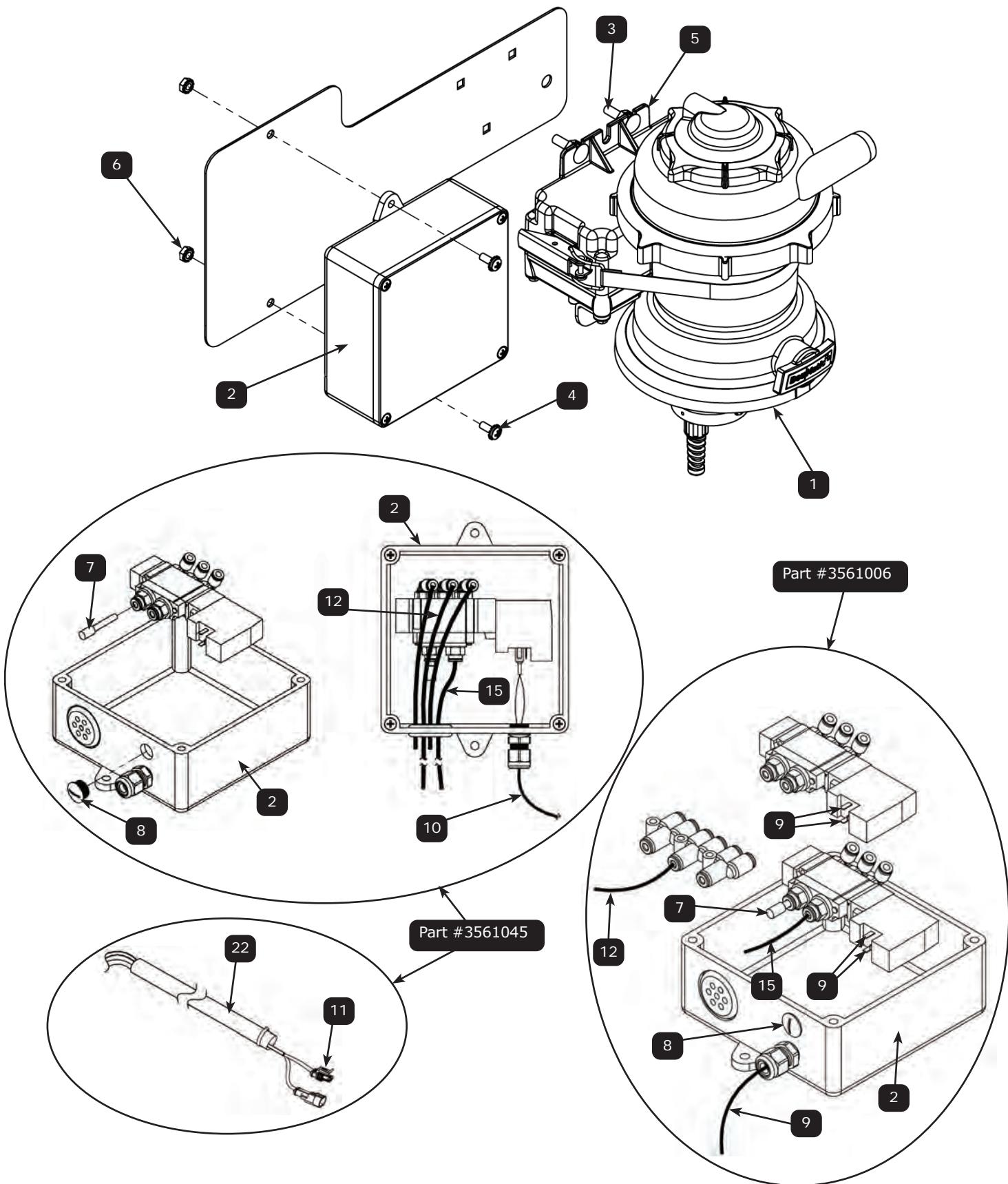
SmartControl Meter Assembly, Xpedia 360EX for TouchPoint, Non-Basement, Right Hand, Air Shutoff

ITEM	PART NO.	DESCRIPTION	QTY REQUIRED (a/r=As Required)
	3561006	Meter Assy, RH, Air, 360EX, T-Pnt	1006
	3561045	Meter Assy, RH, Air, 360EX, T-Pnt, Plstc, Xp, Vac	1045
1	3560108	Meter Assy, RH, Air (Refer to Meter Assembly, Right & Left Hand, Air Shutoff page for part break- down)	- -
2	3560956	Enclosure Assy, 2 Valve, Air (Refer to Valve Assembly, 1 & 2 Valve, Air page D-47 for part breakdown)	- -
	3560105	Enclosure Assy, Valve, Air (Refer to Valve Assembly, 1 & 2 Valve, Air page D-47 for part breakdown)	- -
3	-----	Bolt, CRG, SS, 1/4-20 x 1	3 3
4	-----	MSCR, PNH, SS, Sems, 10-32 x 1/2	2 2
5	-----	Nut, Hex, Keps, SS, 1/4-20	6 6
6	-----	Nut, Hex, Keps, SS, 10-32	2 2
7	8507089	Conn, Push, Plug, 5/32	1 1
8	3560493	Plug, Dome, PG7	1 1
9	3560954	Cable Assy, Sol Valves, 360EX	1 -
10	3559502	Cable Assy, One Stall, T-Point	- 1
11	3561039	⊗ Cable Assy, Cyl/Q-Strt, M/F, 2/3in.	- 1
12	3556251	Hose, Nyl, Nat, 5/32 OD x 500ft	a/r a/r
13	3561007	Cable Assy, DC Power, M, 15in.	1 1
14	3561008	Cable Assy, Prism-Sub, M, 15in.	1 1
15	3556248	Hose, Nyl, Blk, 5/32 OD x 500ft	a/r a/r
16	3559928	Cable Assy, DC Power, F, 45in.	1 1
17	3559929	Cable Assy, DC Power, M, 45in.	1 1
18	3559932	Cable Assy, Prism-Main, F, 45in.	1 1
19	3559931	Cable Assy, Prism-Main, M, 45in.	1 1
20	3559777	Cable Assy, Pulsator, 72in.	1 1
21	322641YW	⊗ Hose, Nyl, Yel, 5/32 OD x 500ft	a/r a/r
22	3558497	Tubing, Split, 3/4 ID	- a/r



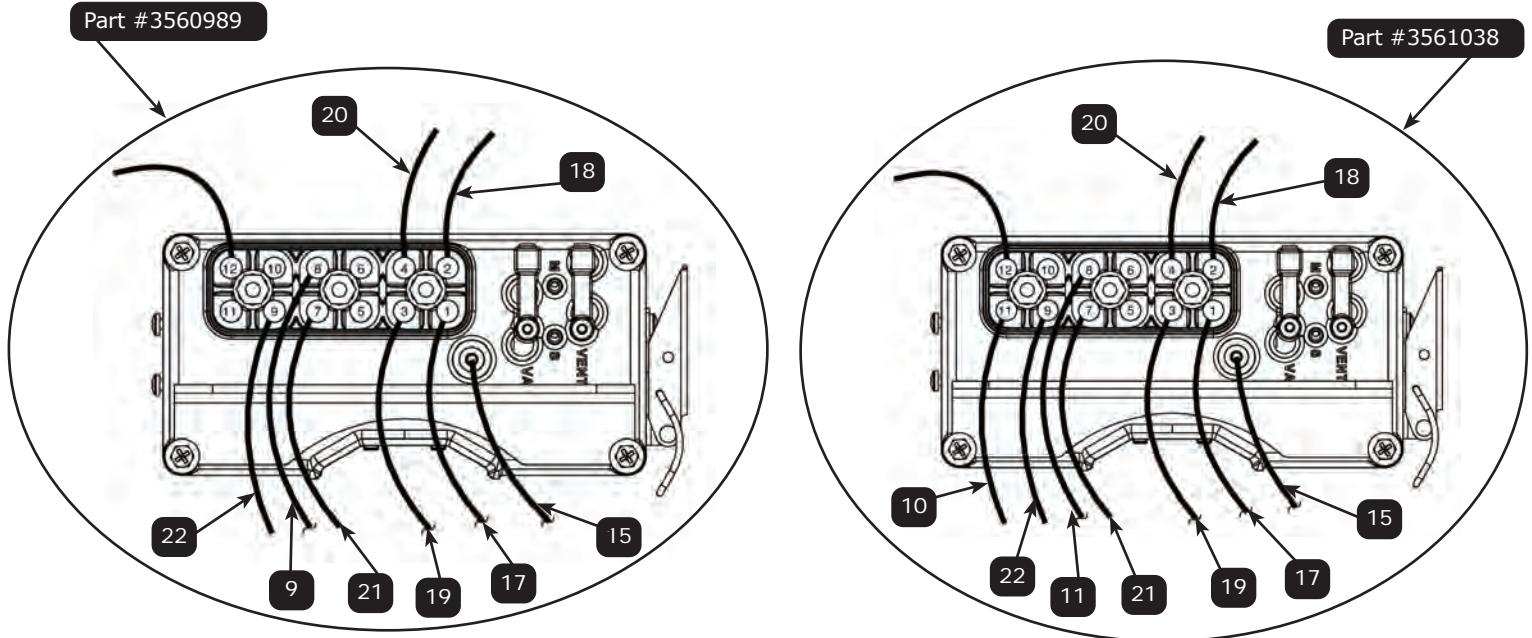
**SmartControl Meter Assembly, Xpedia 360EX for
TouchPoint, Non-Basement, Right Hand, Air Shutoff**

SECTION D PAGE 89
EFFECTIVE: 2/23/11



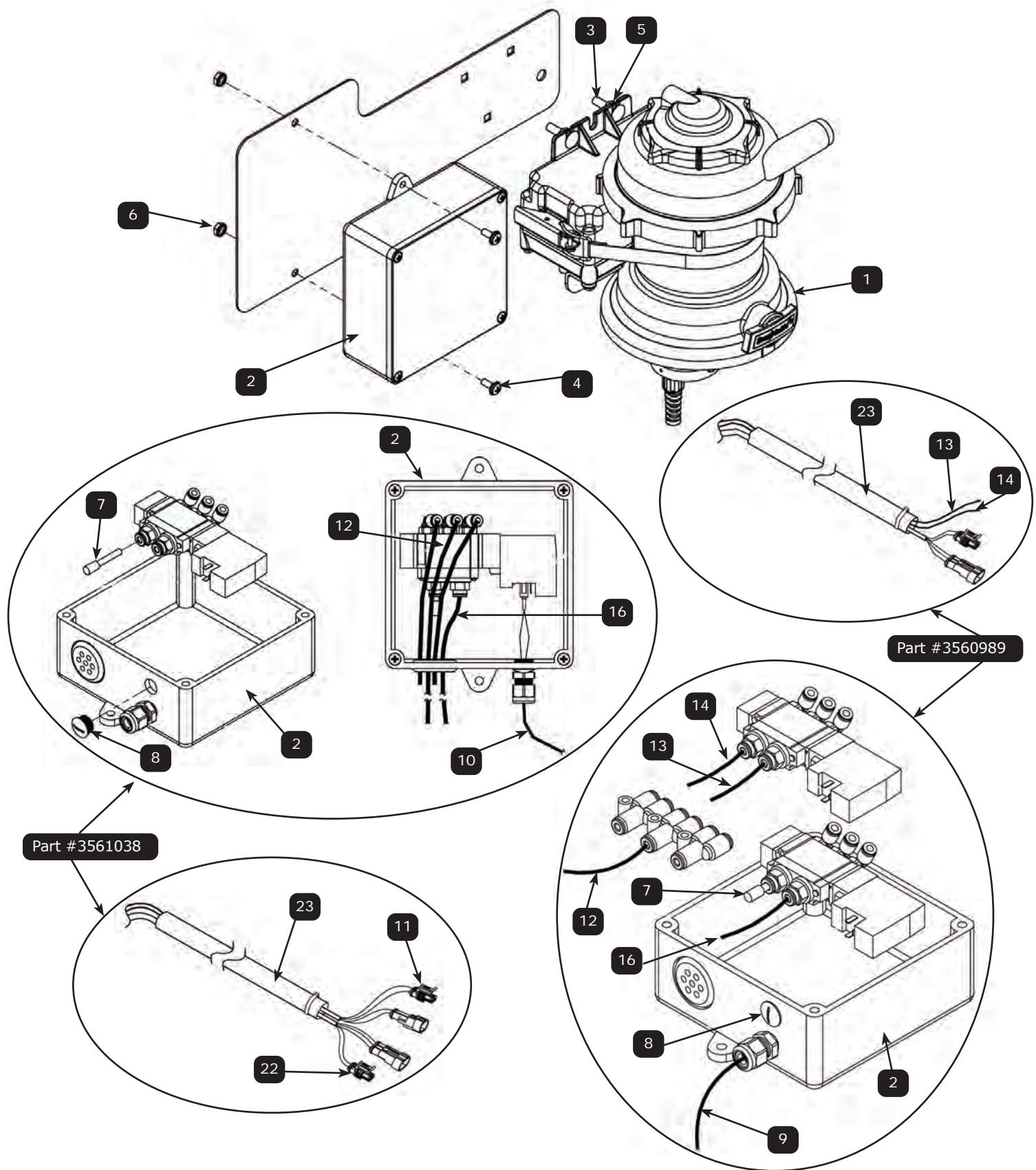
**SmartControl Meter Assembly, Xcalibur
Streamline 360EX & Xpedia 360EX for ViewPoint,
Non-Basement, Right Hand, Air Shutoff**

ITEM	PART NO.	⊗=Obsolete n/s=Not Shown	DESCRIPTION	QTY REQUIRED (a/r=As Required)
	3560989		Meter Assy, RH, Air, 360EX, V-Pnt	0989
	3561038	⊗	Meter Assy, RH, Air, 360EX, V-Pnt, Plstc, XP, Vac	1038
1	3560108		Meter Assy, RH, Air (Refer to Meter Assembly, Right & Left Hand, Air Shutoff page D-72 for part breakdown)	- -
2	3560956		Enclosure Assy, 2 Valve, Air (Refer to Valve Assembly, 1 & 2 Valve, Air page D-47 for part breakdown)	- -
	3560105		Enclosure Assy, Valve, Air (Refer to Valve Assembly, 1 & 2 Valve, Air page D-47 for part breakdown)	- -
3	-----		Bolt, CRG, SS, 1/4-20 x 1	3 3
4	-----		MSCR, PNH, SS, Sems, 10-32 x 1/2	2 2
5	-----		Nut, Hex, Keps, SS, 1/4-20	6 6
6	-----		Nut, Hex, Keps, SS, 10-32	2 2
7	8507089		Conn, Push, Plug, 5/32	1 1
8	3560493		Plug, Dome, PG7	1 1
9	3560954		Cable Assy, Sol Valves, 360EX	1 -
10	3559502		Cable Assy, One Stall, T-Point	- 1
11	3561039	⊗	Cable Assy, Cyl/Q-Strt, M/F, 213in.	- 1
12	3556251		Hose, Nyl, Nat, 5/32 OD x 500ft	a/r a/r
13	3556250		Hose, Nyl, Grn, 5/32 OD x 500ft	a/r -
14	3556249		Hose, Nyl, Red, 5/32 OD x 500ft	a/r -
15	322641YW	⊗	Hose, Nyl, Yel, 5/32 OD x 500ft	a/r a/r
16	3556248		Hose, Nyl, Blk, 5/32 OD x 500ft	a/r a/r
17	3559928		Cable Assy, DC Power, F, 45in.	1 1
18	3559929		Cable Assy, DC Power, M, 45in.	1 1
19	3559932		Cable Assy, Prism-Main, F, 45in.	1 1
20	3559931		Cable Assy, Prism-Main, M, 45in.	1 1
21	3559777		Cable Assy, Pulsator, 72in.	1 1
22	3560992		Cable Assy, switches & LED, 10ft	1 -
	3561033		Cable Assy, LED & SW, M/F, 213in.	- 1
23	3558497		Tubing, Split, 3/4 ID	a/r a/r



**SmartControl Meter Assembly, Xcalibur
Streamline 360EX & Xpedia360EX for ViewPoint,
Non-Basement, Right Hand, Air Shutoff**

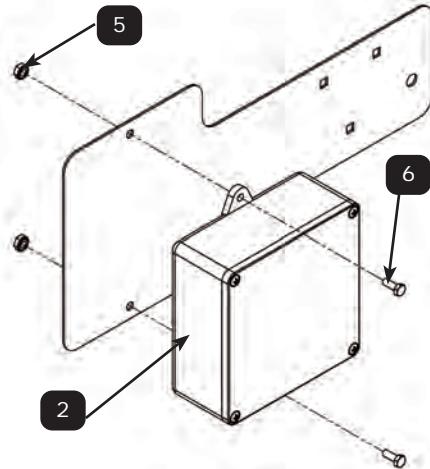
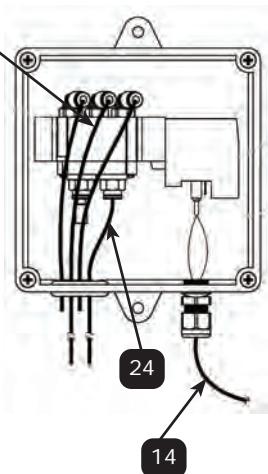
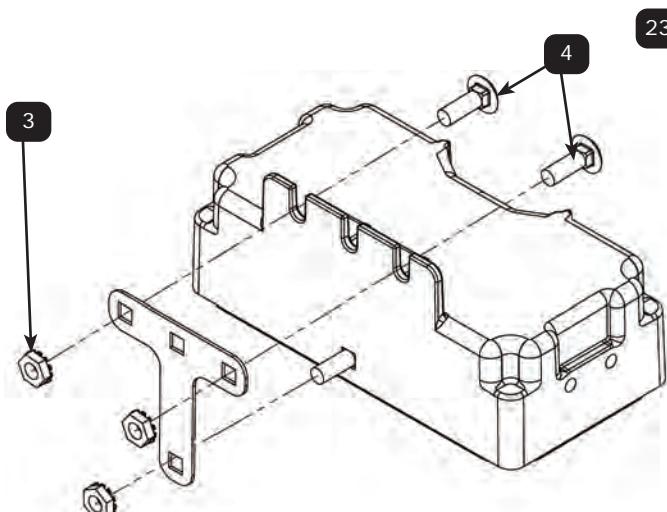
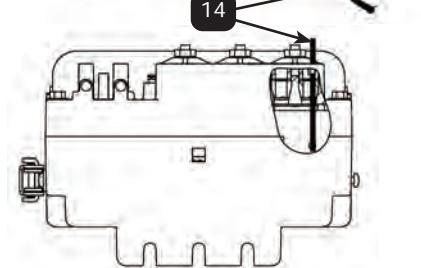
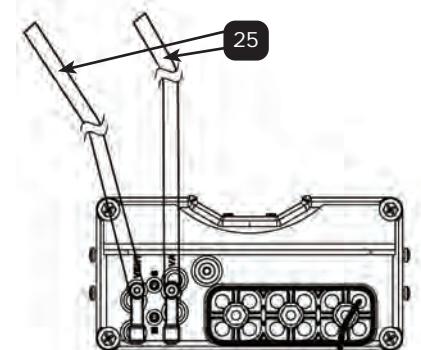
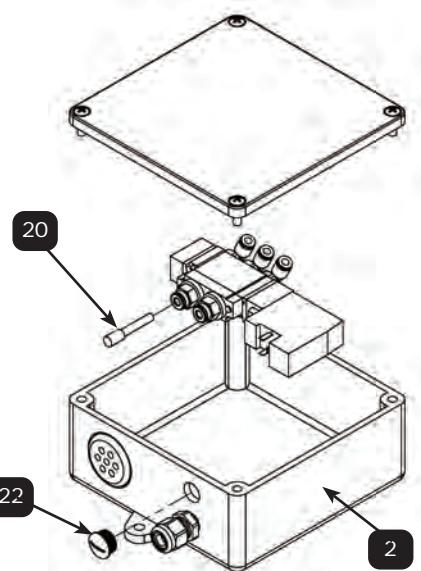
SECTION D	PAGE 91
EFFECTIVE: 3/18/11	



SmartControl Meter Assembly, Xpedia 360IX, 3 & 4 Stall Groups for TouchPoint, Non-Basement, Right Hand, Air Shutoff

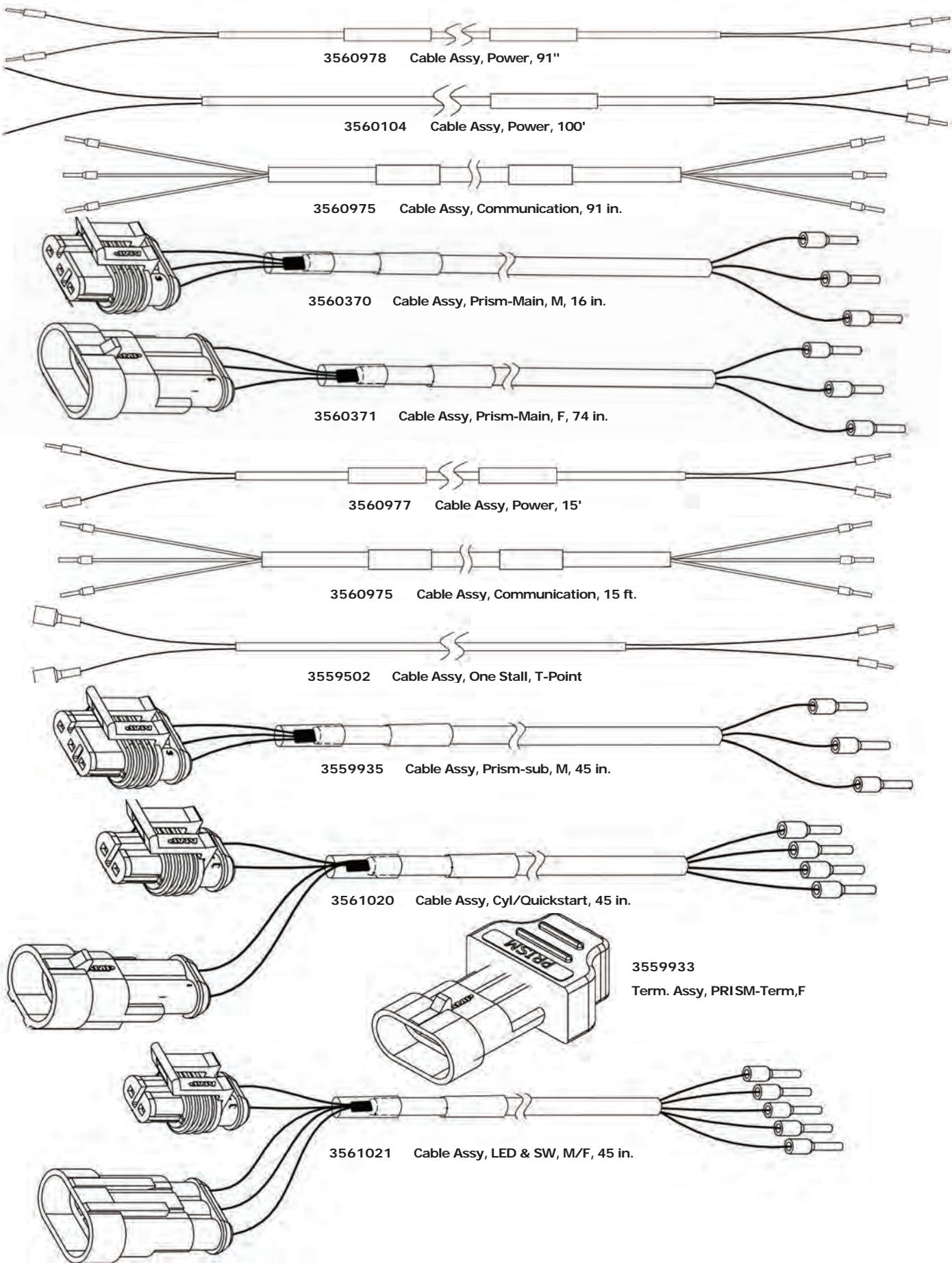
ITEM	PART NO.	⊗=Obsolete n/s=Not Shown	DESCRIPTION	QTY REQUIRED (a/r=As Required)			
	3561000		Meter Assy, TP, RH, Air, 4 Cow, 360IX	1000			
	3561009		Meter Assy, TP, RH, Air, 3 Cow, 360IX		1009		
	3561010		Meter Assy, VP, RH, Air, 4 Cow, 360IX			1010	
	3561011		Meter Assy, VP, RH, Air, 3 Cow, 360IX				1011
1	3560108		Meter Assy, RH, Air (Refer to Meter Assembly, Right & Left Hand, Air Shutoff page D-72 for part breakdown)	-	-	-	-
2	3560105		Enclosure Assy, Valve, Air (Refer to Valve Assembly, 1 & 2 Valve, Air page D-47 for part breakdown)	-	-	-	-
3	-----		Nut, Hex, Keps, SS, 1/4-20	24	18	24	18
4	-----		Bolt, CRG, SS, 1/4-20 x 1	12	9	12	9
5	-----		Nut, Hex, Keps, SS, 10-32	8	6	8	6
6	-----		MSCR, PNH, SS, Sems, 10-32 x 1/2	8	6	8	6
7	3560978		Cable Assy, Power, 91in.	2	2	2	2
8	3560104		Cable Assy, Power, 100ft	1	1	1	1
9	3560976		Cable Assy, Communication, 91in.	2	2	2	2
10	3560370		Cable Assy, Prism-Main, M, 16in.	1	1	1	1
11	3560371		Cable Assy, Prism-Main, F, 74in.	1	1	1	1
12	3560977	⊗	Cable Assy, Power, 15ft	1	-	1	-
13	3560975	⊗	Cable Assy, Communication, 15ft	1	-	1	-
14	3559502		Cable Assy, One Stall, T-Point	4	3	4	3
15	3560743	n/s	Conn, Push, Tee, 5/32 x 1/4 NPT	2	2	4	4
16	3560705	n/s	Conn, Tee, 1/4 NPT x (2) 1/4 Hose	4	4	4	4
17	8583112	n/s	Conn, Push, Tee, 5/16	4	4	4	4
18	3561001	n/s	Conn, Push, RDCR, 4mm x 8mm Tube	1	1	1	1
19	8507022	n/s	Conn, SWL, Elb, 1/4 OD x 1/4 NPT	8	6	8	6
20	8507089		Conn, Push, Plug, 5/32	4	3	4	3
21	1939528		Insulator, Sleeve, PVC, 5/8	a/r	a/r	a/r	a/r
22	3560493		Plug, Dome, PG7	4	3	4	3
23	3556251		Hose, Nyl, Nat, 5/32 OD x 500ft	a/r	a/r	a/r	a/r
24	3556250		Hose, Nyl, Grn, 5/32 OD x 500ft	a/r	a/r	a/r	a/r
25	3556372		Hose, Silicone, .25 x .09 Wall	a/r	a/r	a/r	a/r
26	322641YW	⊗	n/s Hose, Nyl, Yel, 5/32 OD x 500ft	a/r	a/r	a/r	a/r
27	8519183	⊗	n/s Tube, Nylon, Nat, .25 OD x .035 W	a/r	a/r	a/r	a/r
	3560897		Hose, Nylon, Natural, 1/4 OD, by foot	a/r	a/r	a/r	a/r
28	8580437	n/s	Tube, Nylon, Blu, .25 OD x .035 W	a/r	a/r	a/r	a/r
29	3559935		Cable Assy, Prism-sub, M, 45in.	4	3	-	-
30	3561020		Cable Assy, Cyl/Quickstart, 45in.	-	-	4	3
31	3561021		Cable Assy, LED & SW, M/F, 45in.	-	-	4	3

Note: Please see page D-93 for all cable assemblies listed above.



SmartControl Meter Cables

SECTION D	PAGE 93
EFFECTIVE: 4/3/14	

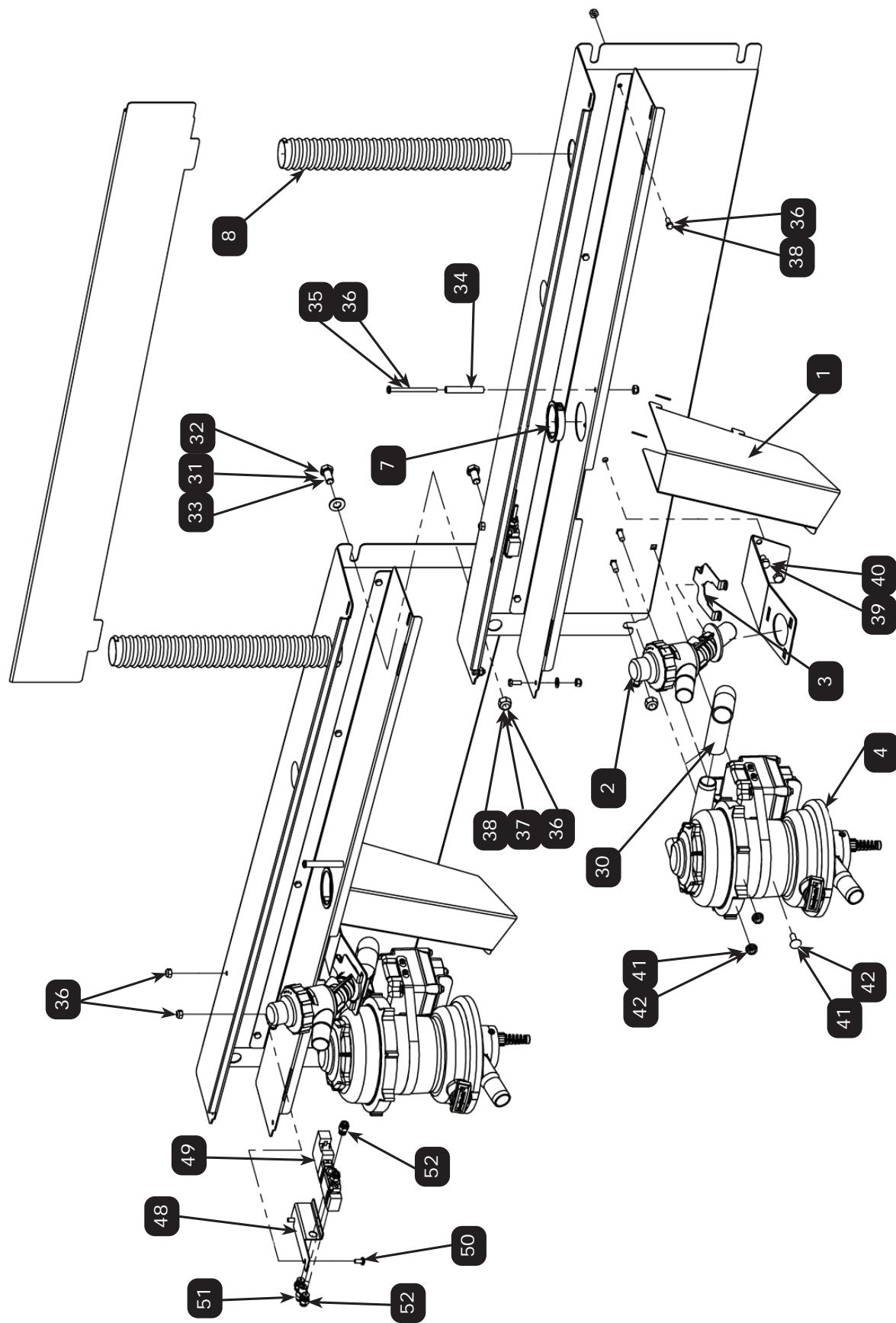


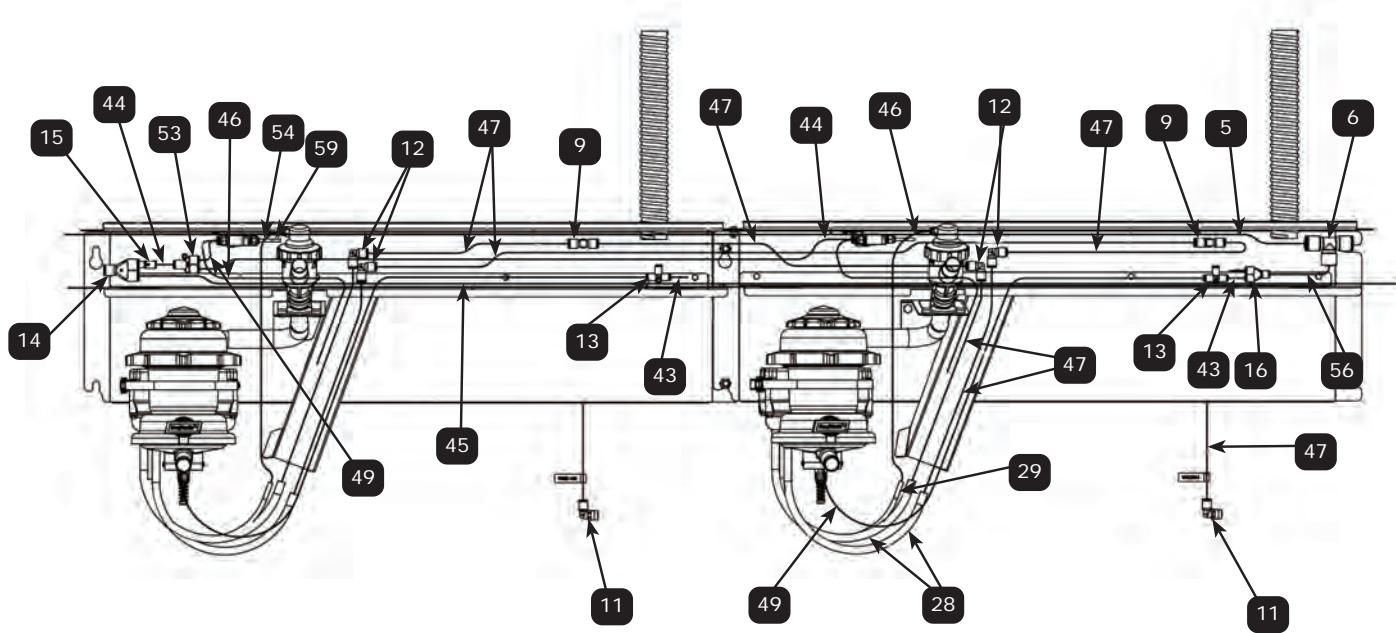
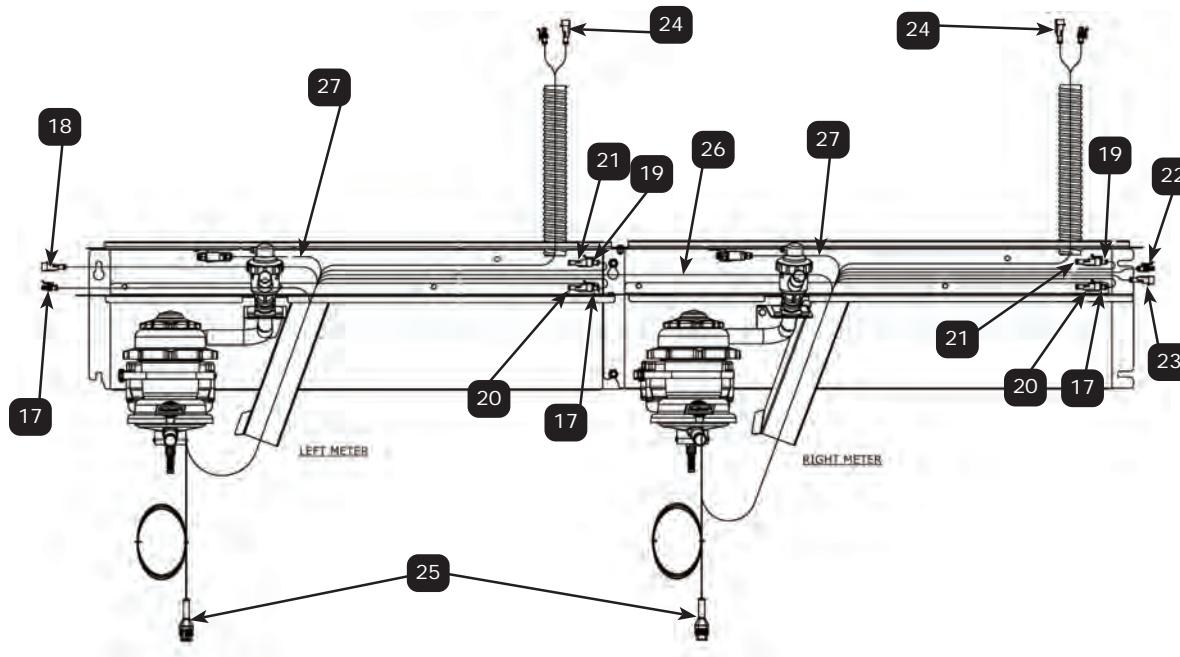
**SmartControl Meter Assembly, Xcalibur 360EX,
Non-Basement, Left Hand, Vacuum Shutoff**

ITEM	PART NO.	⊗=Obsolete n/s=Not Shown	DESCRIPTION	QTY REQUIRED (a/r=As Required)			
	8583261		SmartCont. Assy, Xcal360, N-B, 44	3261			
	8583262		SmartCont. Assy, Xcal360, N-B, 40		3262		
	8583263		SmartCont. Assy, Xcal360, N-B, 36			3263	
	8583264		SmartCont. Assy, Xcal360, N-B, 32				3264
1	8583101	⊗	Cover, Wipeway	2	2	2	2
2	3559544	⊗	Shutoff Assy, Whipple, Vac	-	-	-	-
	3559545		Shutoff Assy, Whipple, Air	-	-	-	-
3	8583132		Bracket, Shut-off, sensor	2	2	2	2
4	3559862		Meter Assy, LH, Vac	-	-	-	-
5	4017848		Hose, Poly, Sil, .38 ID x .062 W	a/r	a/r	a/r	a/r
6	8580420		Conn, Push, Tee, 1/2 x 1/4 x 1/2	1	1	1	1
7	8583127	⊗	Bushing, Nylon, 2.00 x 1.75 ID	2	2	2	2
8	8583107	n/s	Conduit, Flex, Liq-Tite, 1-1/4	a/r	a/r	a/r	a/r
9	8583112		Conn, Push, Tee, 5/16	2	2	2	2
10	8583113	n/s	Conn, Push, Elbow, Plug-in, 5/16	2	2	2	2
11	8583114		Conn, Push, Elb, 5/16 x 1/4 NPT	2	2	2	2
12	8583111		Conn, Push, Elbow, 5/16	4	4	4	4
13	8507090		Conn, Push, Tee, 5/32	2	2	2	2
14	8583108		Conn, Push, Union Y, 3/8	1	1	1	1
15	8583109		Conn, Push, RDCR, 1/4 x 3/8 Tube	1	1	1	1
16	8583110	⊗	Conn, Push, Union Y, 1/4 x 5/32 (2)	1	1	1	1
17	3559929		Cable Assy, DC Power, M, 45in.	3	3	3	3
18	3559932		Cable Assy, Prism-Main, F, 45in.	1	1	1	1
19	3559935		Cable Assy, Prism-Sub, M, 45in.	2	2	2	2
20	3559780		Connector Assy, Cap, M, 2-Pin	2	2	2	2
21	3559782		Connector Assy, Cap, M, 3-Pin	2	2	2	2
22	3559931		Cable Assy, Prism-Main, M, 45in.	1	1	1	1
23	3559928		Cable Assy, DC Power, F, 45in.	1	1	1	1
24	3559937		Cable Assy, LED & SW, M/F, 45in.	2	2	2	2
25	3559777		Cable Assy, Pulsator, 72in.	2	2	2	2
26	3559330		Cable Assy, Stall to Stall	1	1	1	1
27	3559502		Cable Assy, One Stall, T-Point	2	2	2	2
28	3556372		Hose, Silicone, .25 x .09 Wall	a/r	a/r	a/r	a/r
29	3556371		Hose, Sil, .250 OD x .125 ID x .06 W	a/r	a/r	a/r	a/r
30	3556690		Hose, Rbr, .62 x 9.25, Frmd	1	1	1	1
31	-----		Washer, Plain, SS, 3/8 NAP A	2	2	2	2
32	-----		Nut, Lock Elas, SS, 3/8-16	2	2	2	2
33	-----		CSCR, HXH, SS, 3/8-16 x 3/4	2	2	2	2
34	8583102		Spacer, Rd, Nyl, .312 x .194 x 2.00	2	2	2	2
35	-----		MSCR, PNH, SS, 10-32 x 2-1/2	2	2	2	2
36	-----		Nut, Lock, Elas, SS, 10-32	16	16	16	16
37	-----		Washer, Plain, SS, #10	2	2	2	2
38	-----		MSCR, HXH, SS, 10-32 x 1/2	10	10	10	10
39	-----		MSCR, HXH, SS, 1/4-20 x 1/2	6	6	6	6
40	-----		Nut, Lock, Elas, SS, 1/4-20	6	6	6	6
41	-----		Bolt, CRG, SS, 1/4-20 x 3/4	6	6	6	6
42	-----		Nut, HEX, Flange, Lck, 1/4-20, SS	6	6	6	6
43	322641YW	⊗	Tube, Nylon, Yellow, 5/32, 500ft	a/r	a/r	a/r	a/r
44	3559885		Hose, Nylon, Nat, 1/4 OD x 500ft	a/r	a/r	a/r	a/r
45	3558984		Hose, Nyl, Nat, 3/8 OD x 1000ft	a/r	a/r	a/r	a/r
46	3556251		Hose, Nyl, Nat, 5/32 OD x 500ft	a/r	a/r	a/r	a/r
47	3559996		Tube, Nyl, Nat, 5/16 OD x 100ft	a/r	a/r	a/r	a/r
48	3559492		Bracket, Mtg, Valve, Rotary	2	2	2	2
49	3559301		Valve, 4-way, Air, 24V, 1/4 W	2	2	2	2
50	-----		MSCR, PNH, SS, 10-32 x 3/8	4	4	4	4
51	3554087		Conn, Push, 1/4 OD x 1/8 NPT	2	2	2	2
52	3554159		Conn, Push, 5/32 OD x 1/8 NPT	8	8	8	8
53	3558277		Conn, Push, Union Y, 1/4	1	1	1	1
54	3556249		Hose, Nyl, Red, 5/32 OD x 500ft	a/r	a/r	a/r	a/r
55	3556250		Hose, Nyl, Grn, 5/32 OD x 500ft	a/r	a/r	a/r	a/r
56	322672YW	⊗	Hose, Nylon, Yellow, 1/4, 500ft	a/r	a/r	a/r	a/r

**SmartControl Meter Assembly, Xcalibur 360EX,
Non-Basement, Left Hand, Vacuum Shutoff**

SECTION D
PAGE 95
EFFECTIVE:
6/10/11



**SmartControl Meter Assembly, Xcalibur 360EX,
Non-Basement, Left Hand, Vacuum Shutoff**

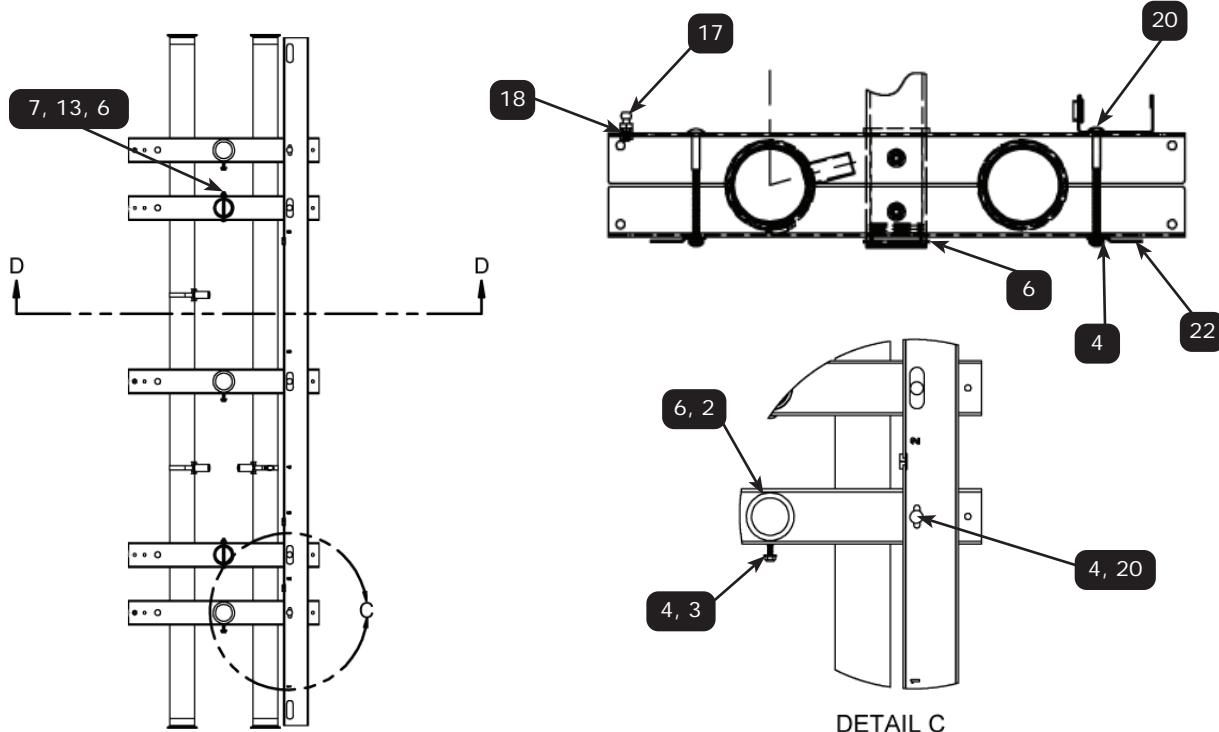
**SmartControl Meter Assembly, DualFlo, 3 & 4
Stall Group for TouchPoint, Vacuum Shutoff**

SECTION D	PAGE 97
EFFECTIVE:	8/25/20

ITEM	PART NO.	⊗=Obsolete n/s=Not Shown	DESCRIPTION	QTY REQUIRED (a/r=As Required)
	3559538		Module, 3-Unit, 28" DFlo, T-Pnt	9538
	3559539		Module, 4-Unit, 28" DFlo, T-Pnt	9539
	3559540		Module, 3-Unit, 30" DFlo, T-Pnt	9540
	3559541		Module, 4-Unit, 30" DFlo, T-Pnt	9541
	8581472		Milk Line Assy, 3-28", W/2 Port	1 - - -
1	8581465		Milk Line Assy, 4-28", W/2 Port	- 2 - -
	8580147		Milk Line Assy, 3-30", W/2 Port	- - 1 -
	8580148		Milk Line Assy, 4-30", W/2 Port	- - - 2
2	8580129		Bushing, Flange, 2.01 ID x 4.75 LG	3 4 3 4
3	-----		Bolt, CRG, SS, 5/16-18 x 3/4	6 8 6 8
4	-----		Nut, Lock, Elas, SS, 5/16-18	26 30 26 30
5	-----		Bolt, CRG, SS, 5/16-18 x 3-1/2	4 4 4 4
6	8581133		Ring, Retaining, 2.255 ID x .078 Thk	3 4 3 4
7	8516037		Nipple Assy, Str., SS, 3/4 ID	3 4 3 4
8	8510202		Clamp, SS, Valve Assy, 1.5 x 3	3 4 3 4
9	-----		CSCR, HXH, SS, 5/16-18 x 4	6 6 6 6
10	-----		Washer, Plain, SS, 5/16	18 20 18 20
11	-----		Washer, Plain, SS, 7/16	4 4 4 4
12	8510208		Bracket, U, Vinyl-Coated	2 2 2 2
13	8517600		Stallcock, Die Cast, 3/8 NPT	3 4 3 4
14	8583545		C-Clamp, SS, 1.0"	2 2 2 2
15	3559861		Meter Assy, RH, VAC	- - - -
16	3559862		Meter Assy, LH, VAC	- - - -
17	4022491		Stud, ball, 10mm	3 4 3 4
18	1248353		Nut, Hex, Jam, SS, 5/16-18	6 8 6 8
19	3557375		Gasket, .843 Hole	3 4 3 4
20	-----		Bolt, CRG, SS, 5/16-18 x 4-1/2	10 12 10 12
21	8510207		Clip, Bracket, SS	4 4 4 4
22	8581448		Brace, Cabinet, Cover, SWG Prl	4 4 4 4
23	-----		Bolt, cRG, SS, 1/4-20 x 3/4	9 12 9 12
24	-----		Nut, Lock, Elas, SS, 1/4-20	9 12 9 12
25	8500331	n/s	Gasket, TR-Clamp, 3.0"	2 2 2 2
26	8507966	n/s	Clamp, Band, SS, 3 in.	2 2 2 2
27	3559544		Shutoff Assy, w/nipple, Vac	- - - -
28	8583369	n/s	⊗ Pulsator Assy, w/Filter Nipples <i>(Refer to Pulsator Assembly with Filter Nipple page for parts breakdown)</i>	- - - -
	8516039		Hose, Milk, Silicone, 3/4 ID x 100ft	a/r a/r a/r a/r
30	3553790		Elbow, 90, Nyl, 1/4 NPT x 3/8 Hose	6 8 6 8
31	8583541		Coupling Assy, 3.0, Flex	2 2 2 2
32	8583542		Coupling Assy, 1.0, Flex	1 1 1 1
33	3556483		Elbow, 90, Nyl, 1/4 NPT x 1/4 Hose	6 8 6 8
34	1431200		Plug, Hex HD, Brass, 1/4	1 1 1 1
35	3556883		Elbow, Street, 45 Deg., Brs, 1/4	1 1 1 1
36	8507022		Conn, Swl, Elb, 1/4 OD x 1/4 NPT	3 4 3 4
37	3560841		Conn, Push, Tee, 5/32 x 1/8 NPT	3 4 3 4
38	4022982		Bushing, Split, Nylon, OCB-875	6 8 6 8
39	8580178		Cap, Tube, 2-3/8, 10-14 Ga.	2 2 2 2
40	8581440		Clamp, Rail, Half, 2.00 Pipe	8 8 8 8
41	-----	n/s	Nut, Lock, Elas, SS, 3/8-16	2 2 2 2
42	-----		Bolt, CRG, 1/2-13 x 1-1/2, ZP	16 16 16 16
43	-----		Nut, Lock, Elas, 1/2-13, ZP	16 16 16 16
44	8510105		Clamp, Hose, SS, #56, 2.13-4.00	4 4 4 4
45	8580120		Rod, Prop, swing Cabinet	4 4 4 4
46	3559784		Cable Assy, DC Power, F, 72"	1 1 1 1
47	3560371		Cable Assy, Prism-Main, F, 74"	1 1 1 1
48	3560745		Cable Assy, Power, 100"	1 1 1 1

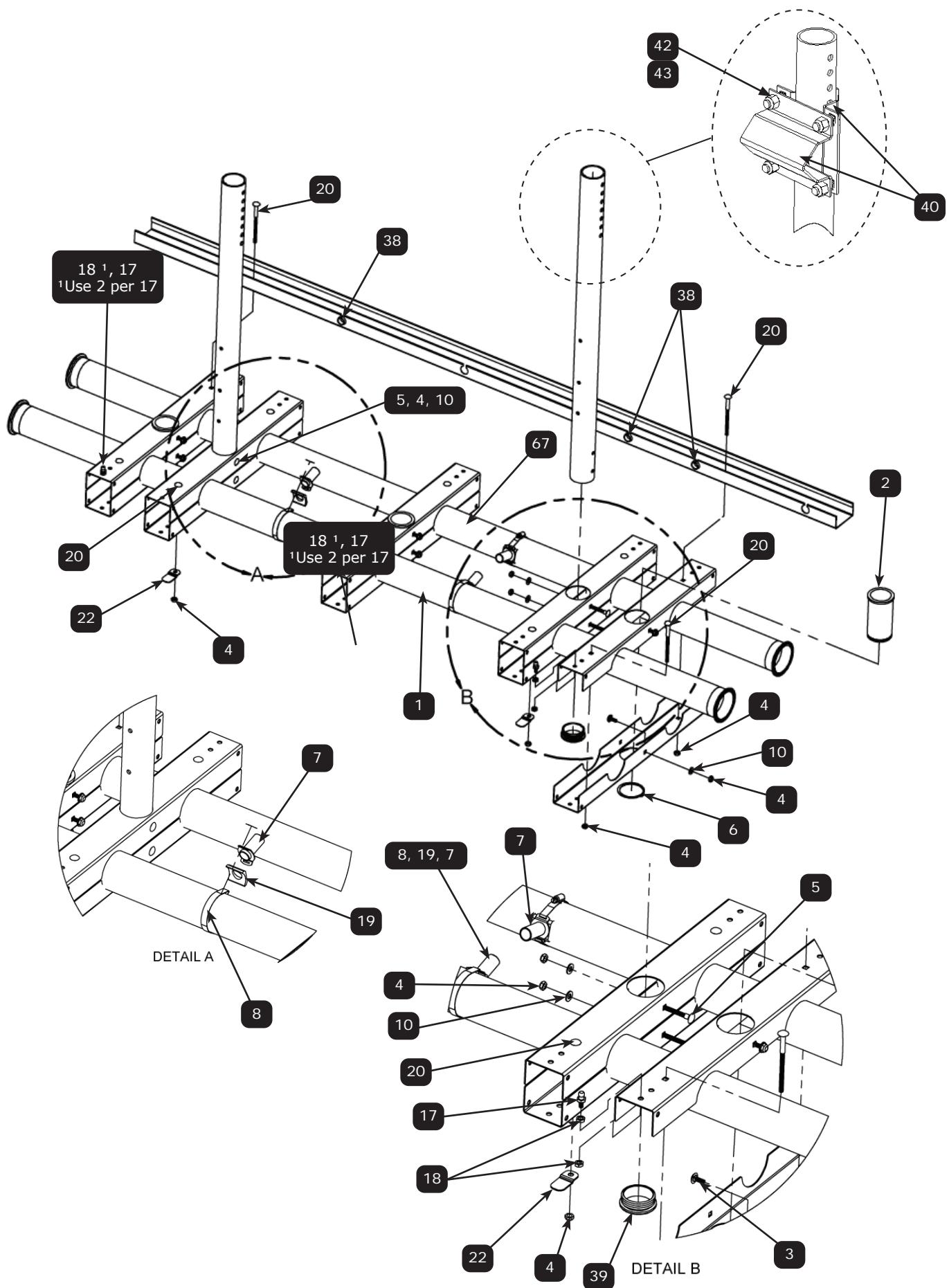
**SmartControl Meter Assembly, DualFlo, 3 & 4
Stall Group for TouchPoint, Vacuum Shutoff**

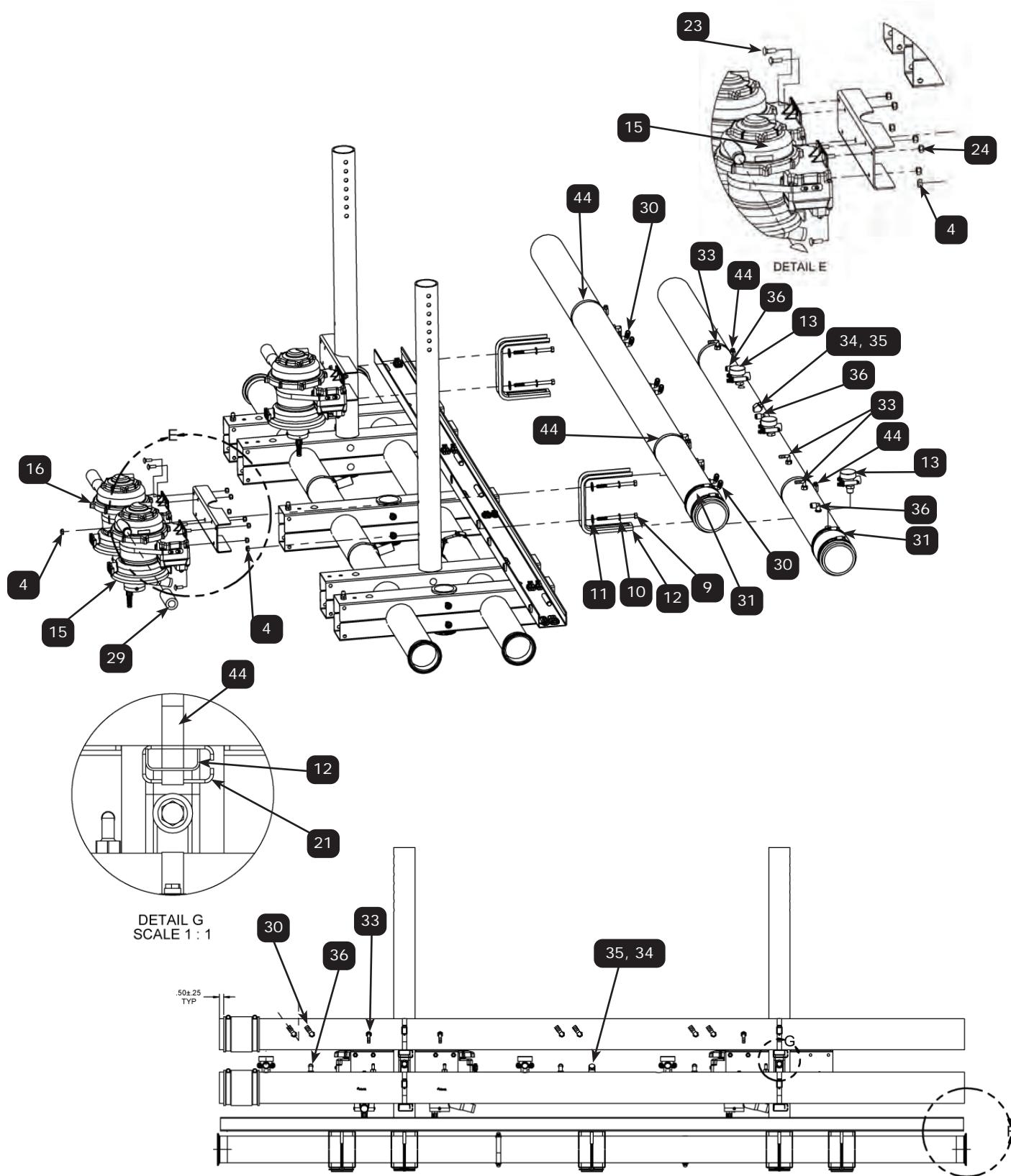
ITEM	PART NO.	⊗=Obsolete n/s=Not Shown	DESCRIPTION	QTY REQUIRED (a/r=As Required)			
	3559538		Module, 3-Unit, 28" DFlo, T-Pnt	9538			
	3559539		Module, 4-Unit, 28" DFlo, T-Pnt		9539		
	3559540		Module, 3-Unit, 30" DFlo, T-Pnt			9540	
	3559541		Module, 4-Unit, 30" DFlo, T-Pnt				9541
49	3560744		Cable Assy, Prism-Main, 100"	1	1	1	1
50	8582269		Cable, Prox Sensor	3	4	3	4
51	3560803		Cable Assy, Prism0Main, M, 60"	1	1	1	1
52	3560804	n/s	Cable Assy, Power, 28"	1	2	1	2
53	3560805	n/s	Cable Assy, Communication, 28"	1	2	1	2
54	3559777	n/s	Cable Assy, Pulsator, 72"	3	4	3	4
55	3559482		Cable Assy, Pulsator, Adapter	3	4	3	4
56	3559929		Cable Assy, DC Power, M, 45"	3	4	3	4
57	3559935		Cable Assy, Prism-Sub, M, 45"	3	4	3	4
58	3560842		Cable Assy, Cylinder, 72"	3	4	3	4
59	8584771		Sensor, Proximity, Inductive	3	4	3	4
60	-----	n/s	CSCR, HXH, SS, 3/8-16 x 3-1/2	2	2	2	2
61	322641YW	⊗	Tube, Nyl, Yel, 5/32 OD x 500 ft	a/r	a/r	a/r	a/r
62	8506805	n/s	Hose, Vinyl, .38 x .125 W, Blk/Wht	a/r	a/r	a/r	a/r
63	3556372		Hose, Silicone, .25 x .09 Wall	a/r	a/r	a/r	a/r
64	3556251		Hose, Nyl, Nat, 5/32 OD x 500 ft	a/r	a/r	a/r	a/r
65	3556371		Hose, Sil, .250 OD x .125 ID x .06 W	a/r	a/r	a/r	a/r
66	1916633	n/s	Connector, Pin, Ferrule, 20ga.	9	12	9	12
67	8581473		Milk Line Assy, 3-28", w/1 Port	1	-	-	-
	8580151		Milk Line Assy, 3-30", W/1 Port	-	-	1	-



**SmartControl Meter Assembly, DualFlo, 3 & 4
Stall Group for TouchPoint, Vacuum Shutoff**

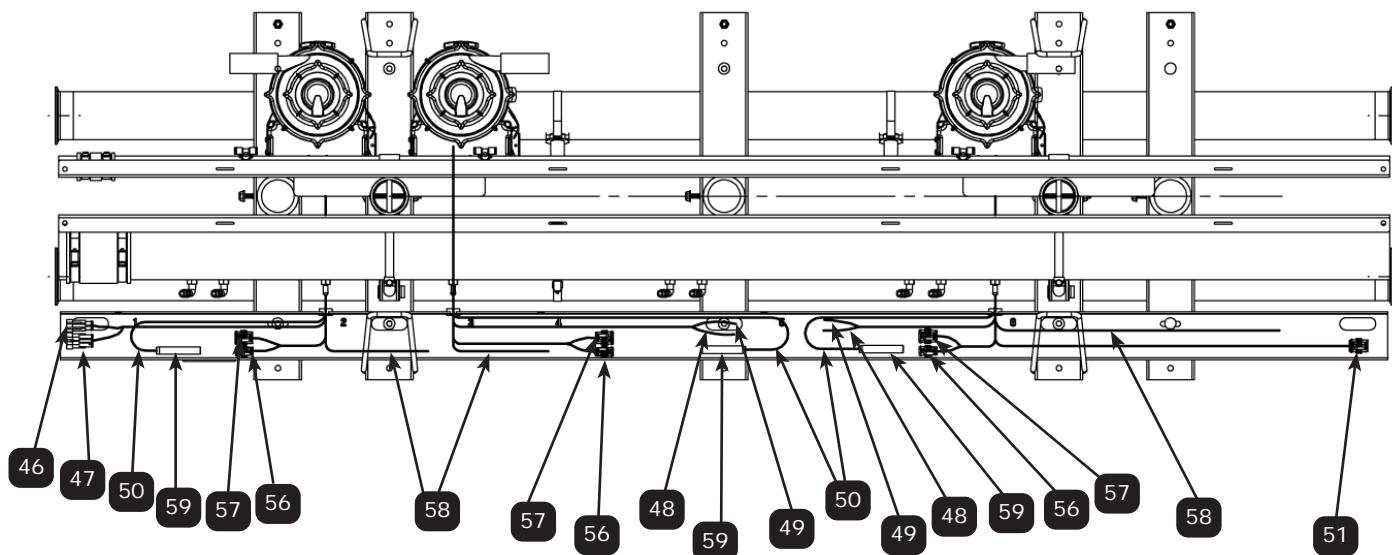
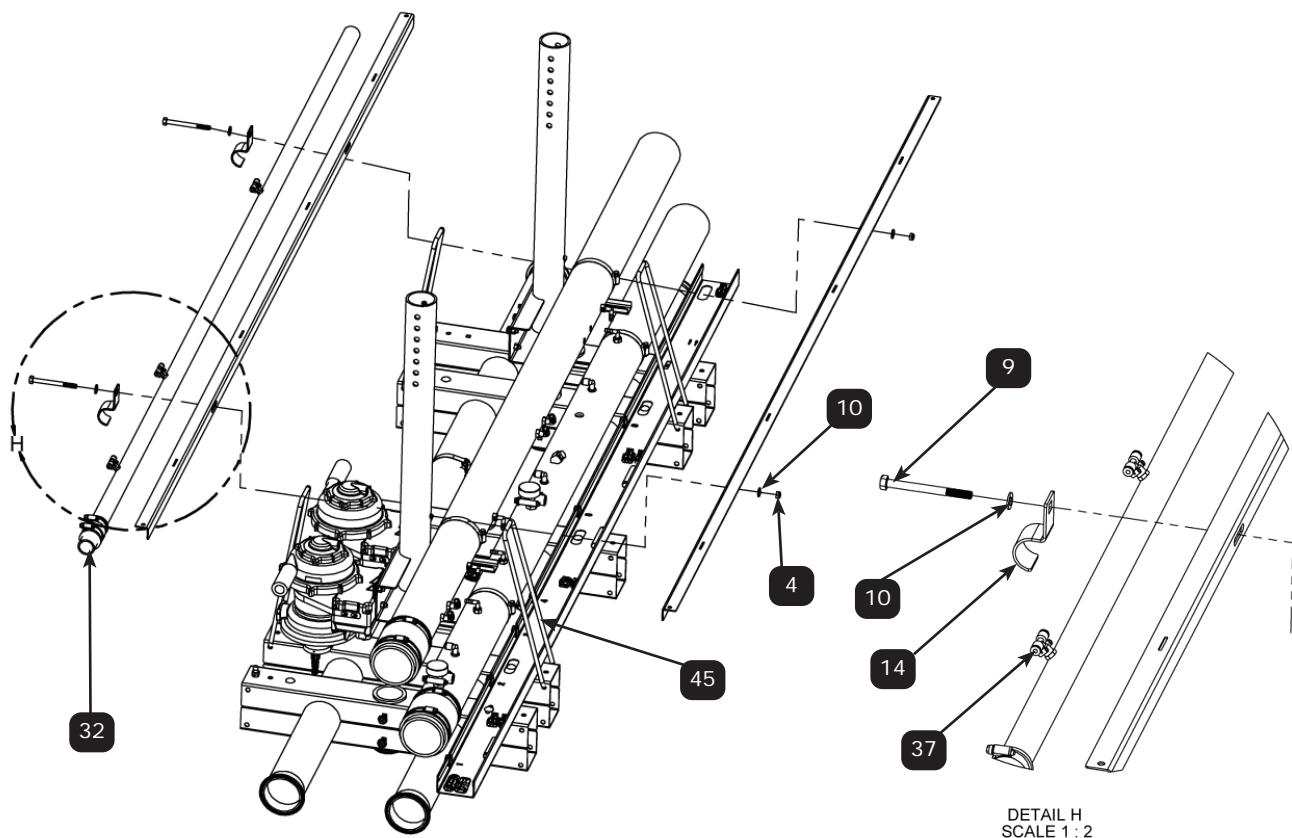
SECTION D	PAGE 99
EFFECTIVE: 8/25/20	

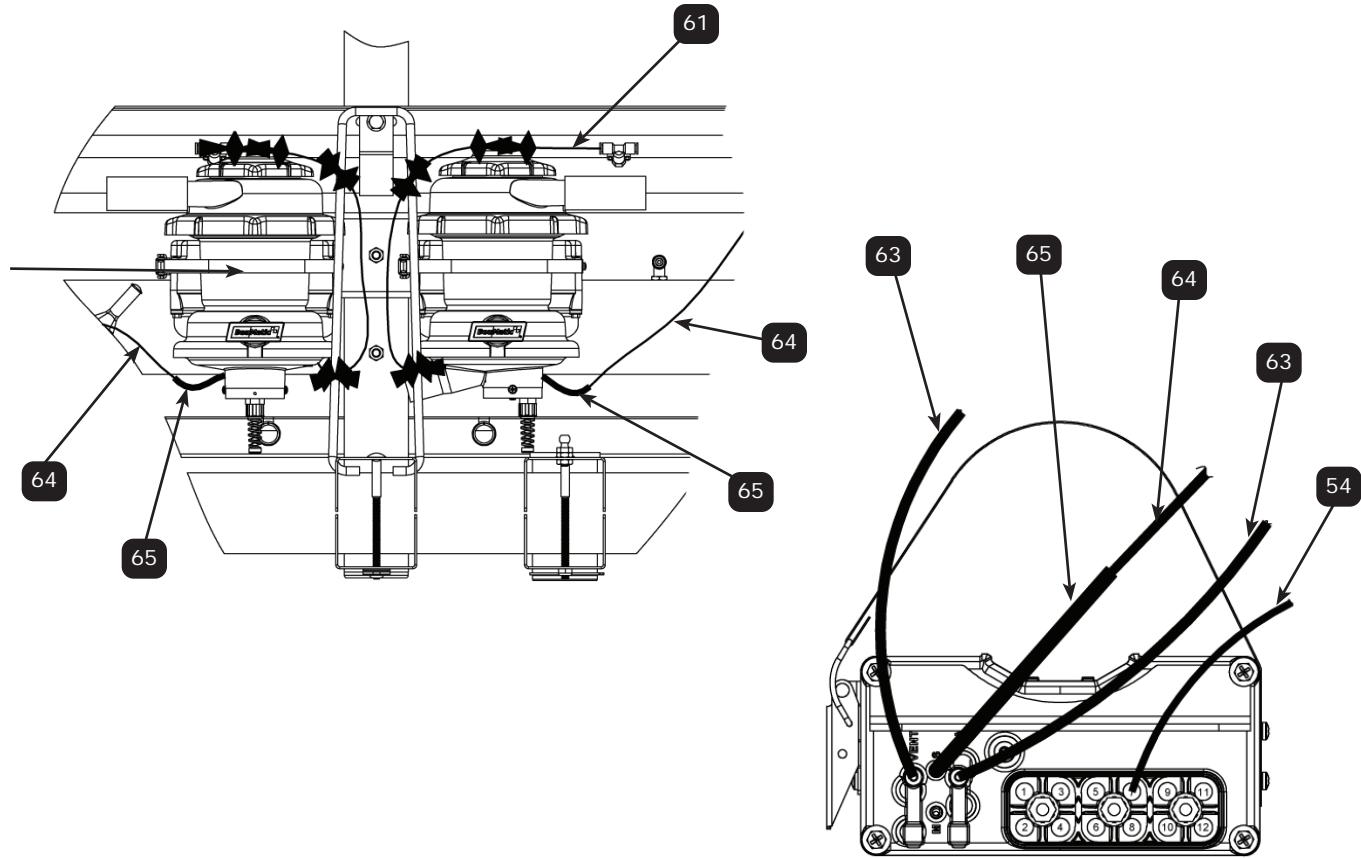
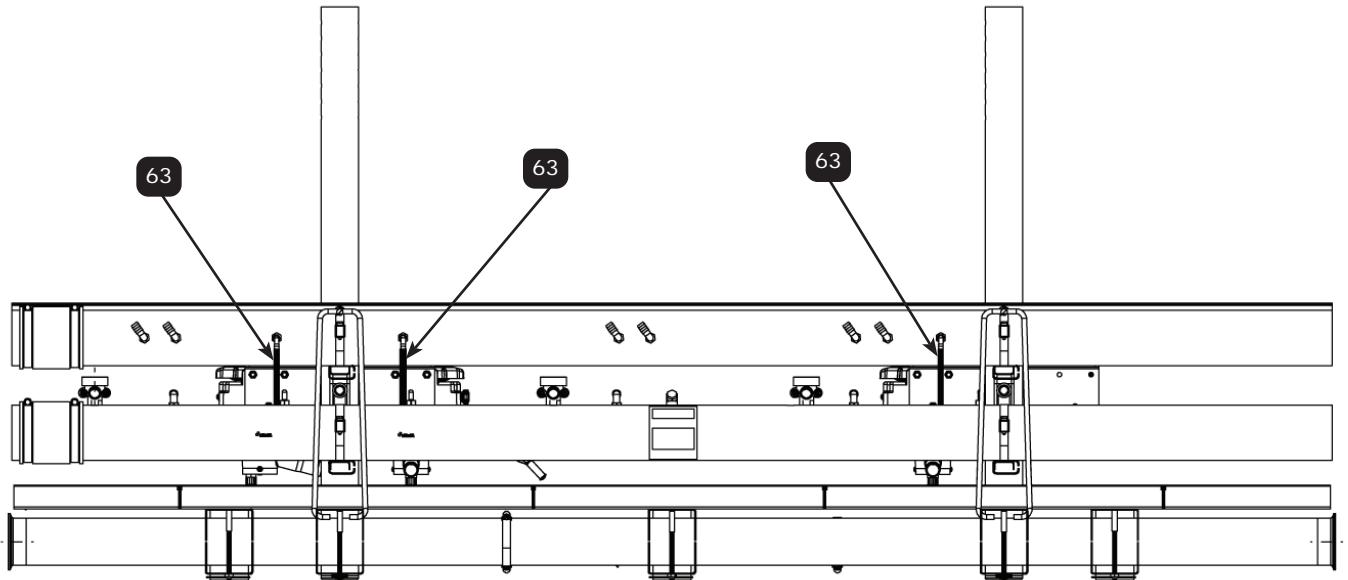


SmartControl Meter Assembly, DualFlo, 3 & 4
Stall Group for TouchPoint, Vacuum Shutoff

**SmartControl Meter Assembly, DualFlo, 3 & 4
Stall Group for TouchPoint, Vacuum Shutoff**

SECTION D	PAGE 101
EFFECTIVE: 6/10/11	

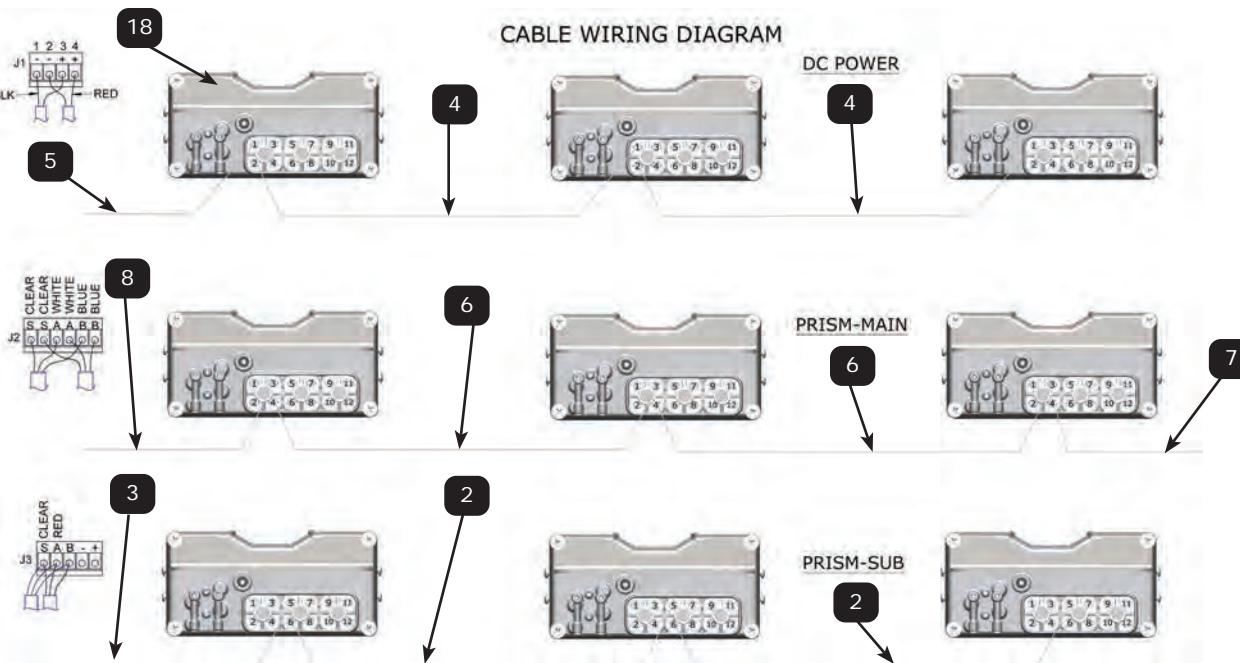


**SmartControl Meter Assembly, DualFlo, 3 & 4
Stall Group for TouchPoint, Vacuum Shutoff**

SmartControl Meter Assembly, 3 & 4 STall Bank for TouchPoint, Right & Left Hand, Air Shutoff

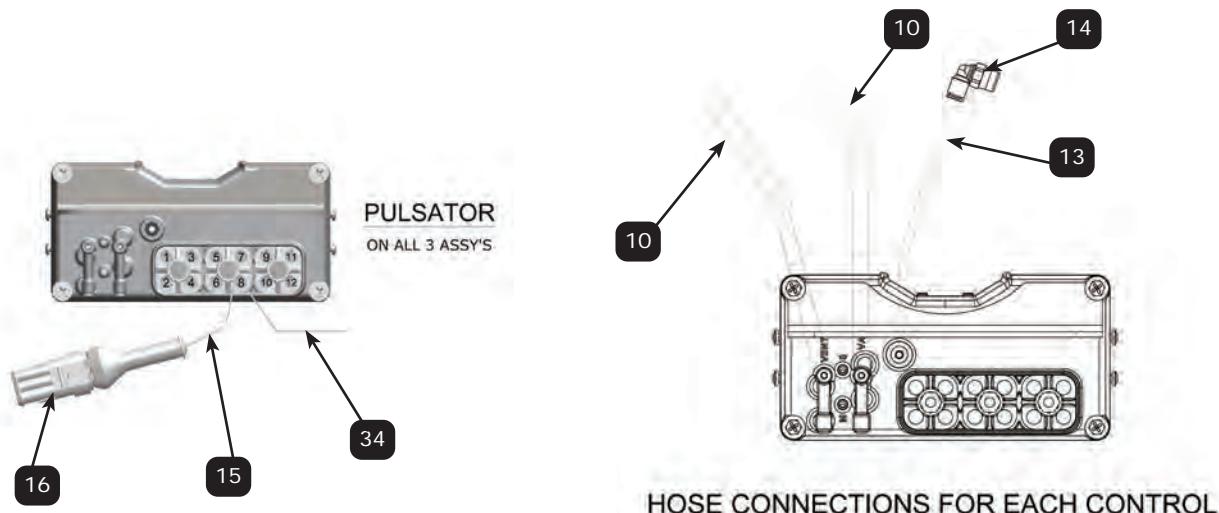
SECTION D	PAGE 103
EFFECTIVE: 6/14/11	

ITEM	PART NO.	DESCRIPTION	QTY REQUIRED (a/r=As Required)							
			0341	0342	9847	9848	0345	0346	9546	9547
	3560341	Meter Assy, 30, RH, Air, 3 Cow Bank								
	3560342	Meter Assy, 30, RH, Air, 4 Cow Bank								
	3559847	Meter Assy, 30, LH, Air, 3 Cow Bank								
	3559848	Meter Assy, 30, LH, Air, 4 Cow Bank								
	3560345	⊗ Meter Assy, 44, RH, Air, 3 Cow Bank								
	3560346	⊗ Meter Assy, 44, RH, Air, 4 Cow Bank								
	3559546	⊗ Meter Assy, 44, LH, Air, 3 Cow Bank								
	3559547	⊗ Meter Assy, 44, LH, Air, 4 Cow Bank								
1	3557453	Termination, Prism	1	1	1	1	1	1	1	1
2	3560101	⊗ Cable Assy, Prism-Sub, 84"	2	3	2	3	-	-	-	-
	3561436	⊗ Cable Assy, prism-Sub, 100"	-	-	-	-	2	3	2	3
3	3560100	Cable Assy, Prism-Sub, 100 ft	1	1	1	1	1	1	1	1
4	3560103	⊗ Cable Assy, Power, 84"	2	3	2	3	-	-	-	-
	3560745	Cable Assy, Power, 100"	-	-	-	-	2	3	2	3
5	3560104	Cable Assy, Power, 100 ft	1	1	1	1	1	1	1	1
6	3560102	⊗ Cable Assy, Comm, 84"	2	3	2	3	-	-	-	-
	3560744	Cable Assy, Prism-Main, 100"	-	-	-	-	2	3	2	3
7	3560900	n/s	Cable Assy, Prism-Main, M, 32"	1	1	1	1	1	1	1
8	3560445	Cable Assy, Prism-Main, F, 60"	1	1	1	1	-	-	-	-
	3560901	⊗ Cable Assy, Prism-Main, F, 88"	-	-	-	-	1	1	1	1
9	1916643	n/s	Connector, Pin, Dual, 20ga. Ferrule	8	11	8	11	8	11	8
10	3556372	Hose Silicone, .25 x .09 W all	a/r	a/r	a/r	a/r	a/r	a/r	a/r	a/r
11	1916633	n/s	Connector, Pin, Ferrule, 20 ga.	1	1	1	1	1	1	1
12	3556483	n/s	Elbow, .90, Nyl, 1/4 NPT x 1/4 Hose	6	8	6	8	6	8	6
13	322641YW	⊗ Hose, Nyl, Yel, 5/32 OD x 500 ft.	a/r	a/r	a/r	a/r	a/r	a/r	a/r	a/r
14	3554451	Conn, Swl, Elb, 5/32 OD x 1/8 NPT	6	8	6	8	6	8	6	8
15	3559777	Cable Assy, Pulsator, 72"	3	4	3	4	3	4	3	4
16	3559782	Connector Assy, Cap, M, 3-Pin	3	4	3	4	3	4	3	4
17	3559545	Shut Off Assy, w/Nipple, Air (Refer to Shutoff Assembly with Nipple, Vacuum page for part break- down)	-	-	-	-	-	-	-	-



SmartControl Meter Assembly, 3 & 4 Stall Bank for TouchPoint, Right & Left Hand, Air Shutoff

ITEM	PART NO.	⊗Obsolete n/s=Not Shown	DESCRIPTION	QTY REQUIRED (a/r=As Required)							
	3560341		Meter Assy, 30, RH, Air, 3 Cow Bank	0341							
	3560342		Meter Assy, 30, RH, Air, 4 Cow Bank		0342						
	3559847		Meter Assy, 30, LH, Air, 3 Cow Bank			9847					
	3559848		Meter Assy, 30, LH, Air, 4 Cow Bank				9848				
	3560345	⊗	Meter Assy, 44, RH, Air, 3 Cow Bank					0345			
	3560346	⊗	Meter Assy, 44, RH, Air, 4 Cow Bank						0346		
	3559546	⊗	Meter Assy, 44, LH, Air, 3 Cow Bank							9546	
	3559547	⊗	Meter Assy, 44, LH, Air, 4 Cow Bank								9547
18	3560108		Meter Assy, RH, Air (Refer to Meter Assembly, Right & Left Hand, Air Shutoff page for part breakdown)	-	-	-	-	-	-	-	-
	3560107		Meter Assy, LH, Air (Refer to Meter Assembly, Right & Left Hand, Air Shutoff page for part breakdown)	-	-	-	-	-	-	-	-
19	3560736		Nut, Insert, SS, 1/4-20	6	8	6	8	6	8	6	8
20	-----		Bolt, CRG, SS, 1/4-20 x 5/8	33	44	33	44	33	44	33	44
21	-----		Nut, Lock, Elas, SS, 8-32	6	8	6	8	6	8	6	8
22	1979220		Clamp, Cable, 1" ID x 1/2	6	8	6	8	6	8	6	8
23	-----		Nut, Hex, Keps, SS, 1/4-20	33	44	33	44	33	44	33	44
24	-----		MSCR, PNH, SS, 1/4-20 x 1/2	6	8	6	8	6	8	6	8
25	-----		MSCR, PNH, SS, 10-24 x 5/8	12	16	12	16	12	16	12	16
26	-----		Nut, Lock, Elas, SS, 10-24	12	16	12	16	12	16	12	16
27	3561449		Tube, Frmd, SS, .88 x 4.50	6	8	6	8	6	8	6	8
28	8516039		Hose, Milk, Silicone, 3/4 ID x 100 ft	a/r	a/r	a/r	a/r	a/r	a/r	a/r	a/r
29	4021781		Grommet, 0.161 ID x .25 Mtg x 0.50 OD	3	4	3	4	3	4	3	4
30	3560105		Enclosure Assy, Valve, Air (Refer to Valve Assembly, 1 & 2 Valve, Air page for part breakdown)	-	-	-	-	-	-	-	-
31	3559756		Pipe, PVC, 1.50 x 25.5, Split	3	4	3	4	-	-	-	-
	3559757	⊗	Pipe, PVC, 1.50 x 39.5, Split	-	-	-	-	3	4	3	4
32	8507089		Conn, Push, Plug, 5/32	3	4	3	4	3	4	3	4
33	3560493		Plug, Dome, PG7	3	4	3	4	3	4	3	4
34	3560492		Cable Assy, One Stall, T-Pnt, 61"	3	4	3	4	3	4	3	4
35	3556251		Hose, Nyl, Nat, 5/32 OD x 500 ft	a/r	a/r	a/r	a/r	a/r	a/r	a/r	a/r
36	3556250		Hose, Nyl, Grn, 5/32 OD x 500 ft	a/r	a/r	a/r	a/r	a/r	a/r	a/r	a/r

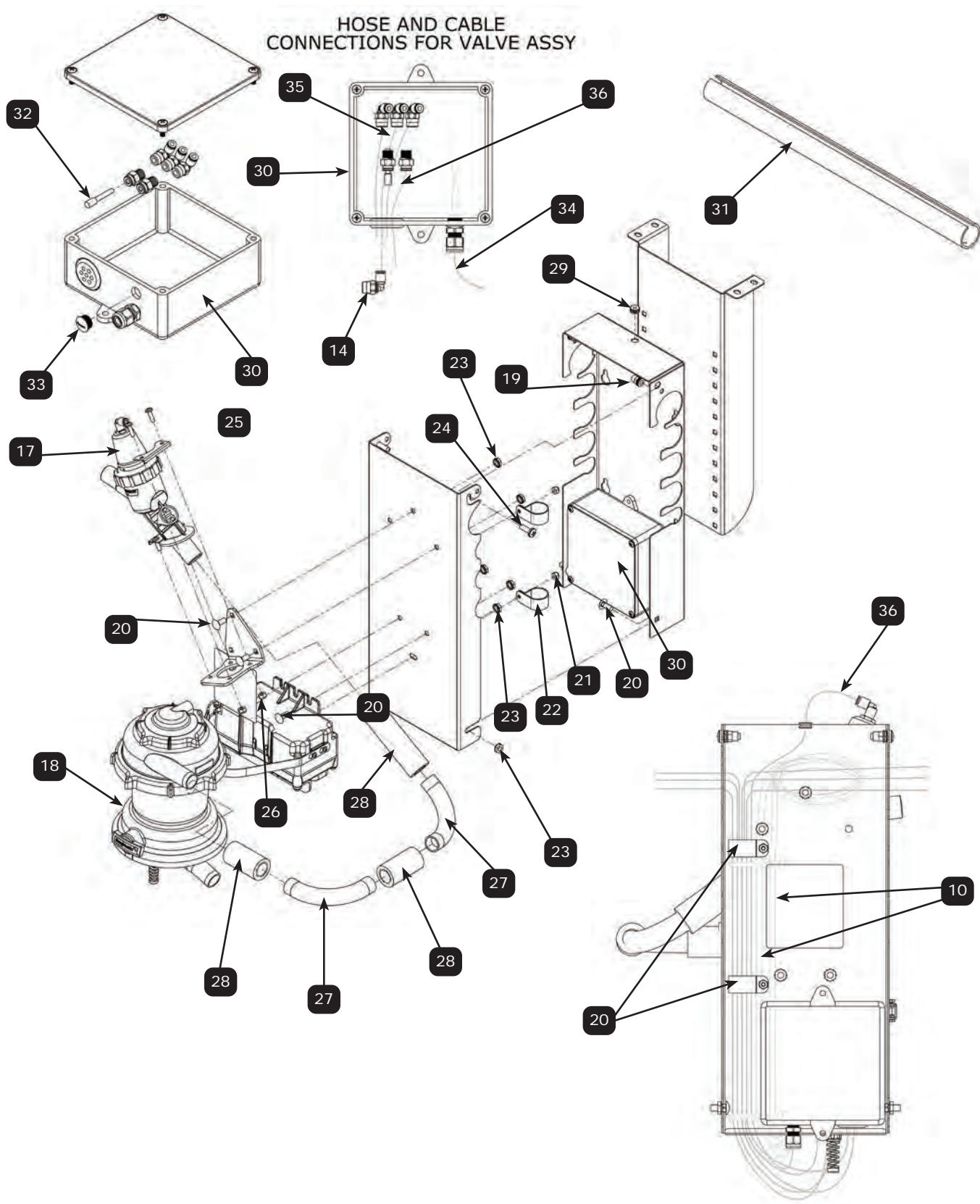


**SmartControl Meter Assembly, 3 & 4 Stall Bank for
TouchPoint, Right & Left Hand, Air Shutoff**

SECTION
D

PAGE
105

EFFECTIVE:
6/14/11



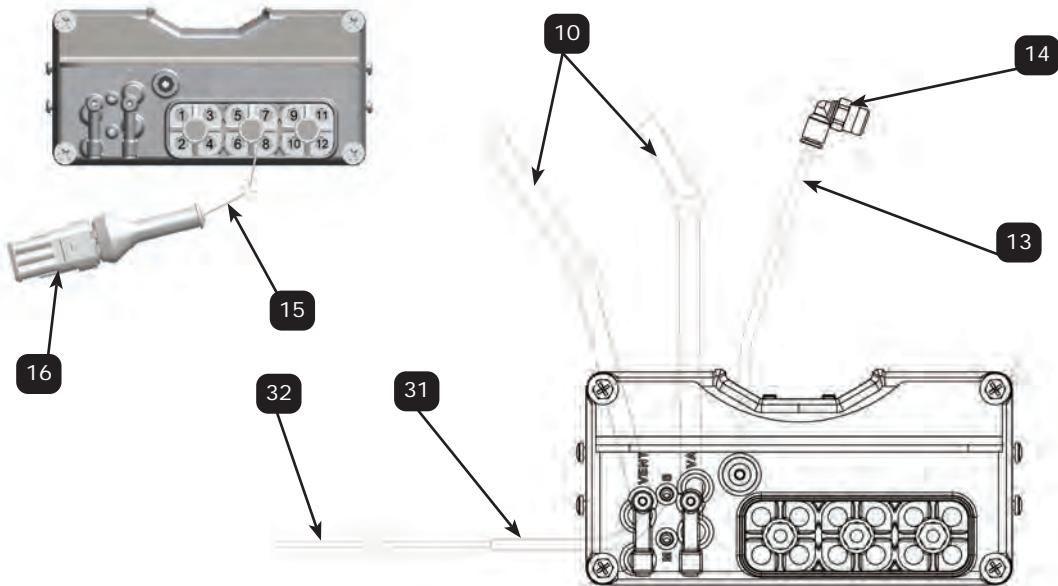
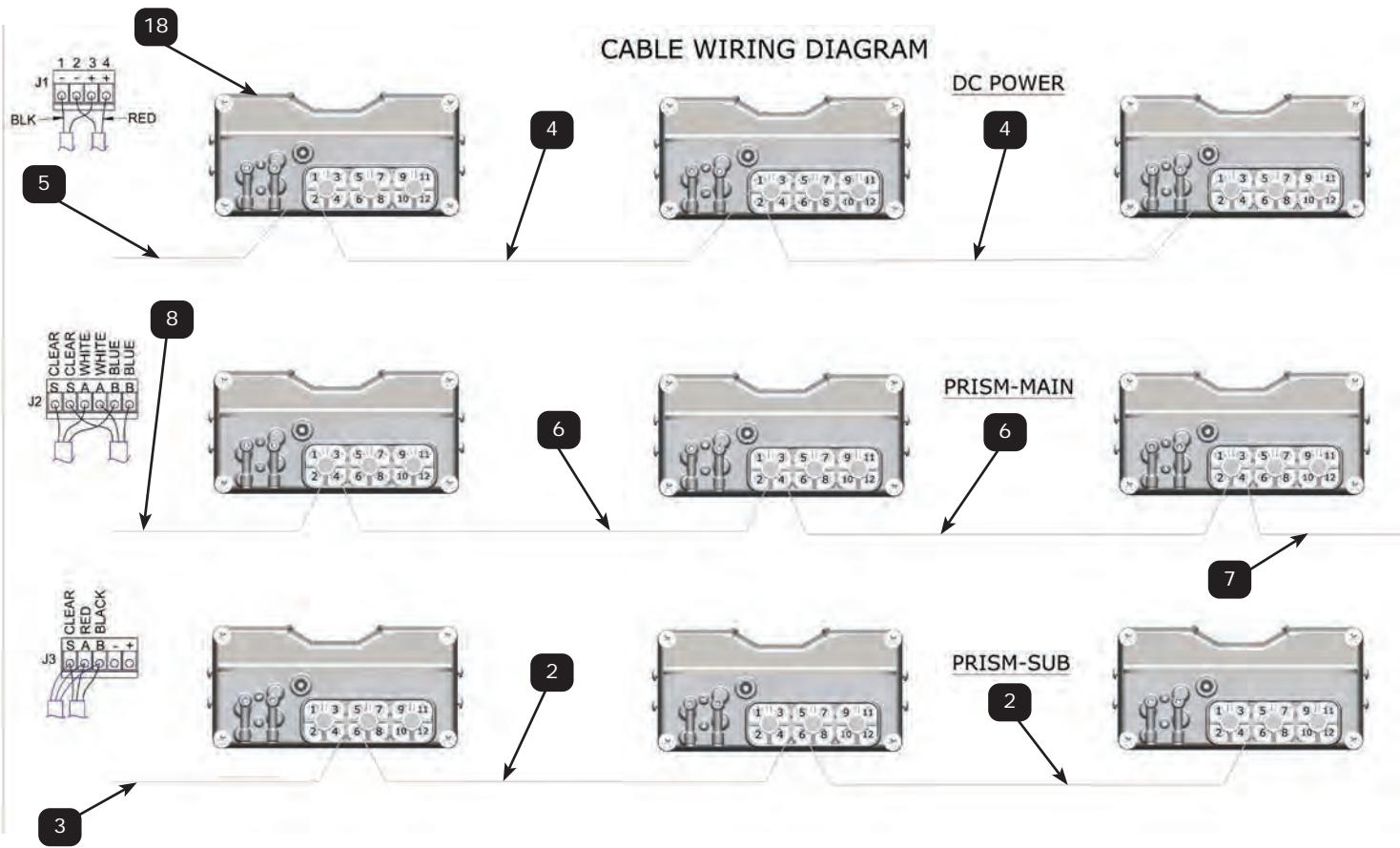
SmartControl Meter Assembly, 3 & 4 Stall Bank for TouchPoint, Right & Left Hand, Vacuum Shutoff

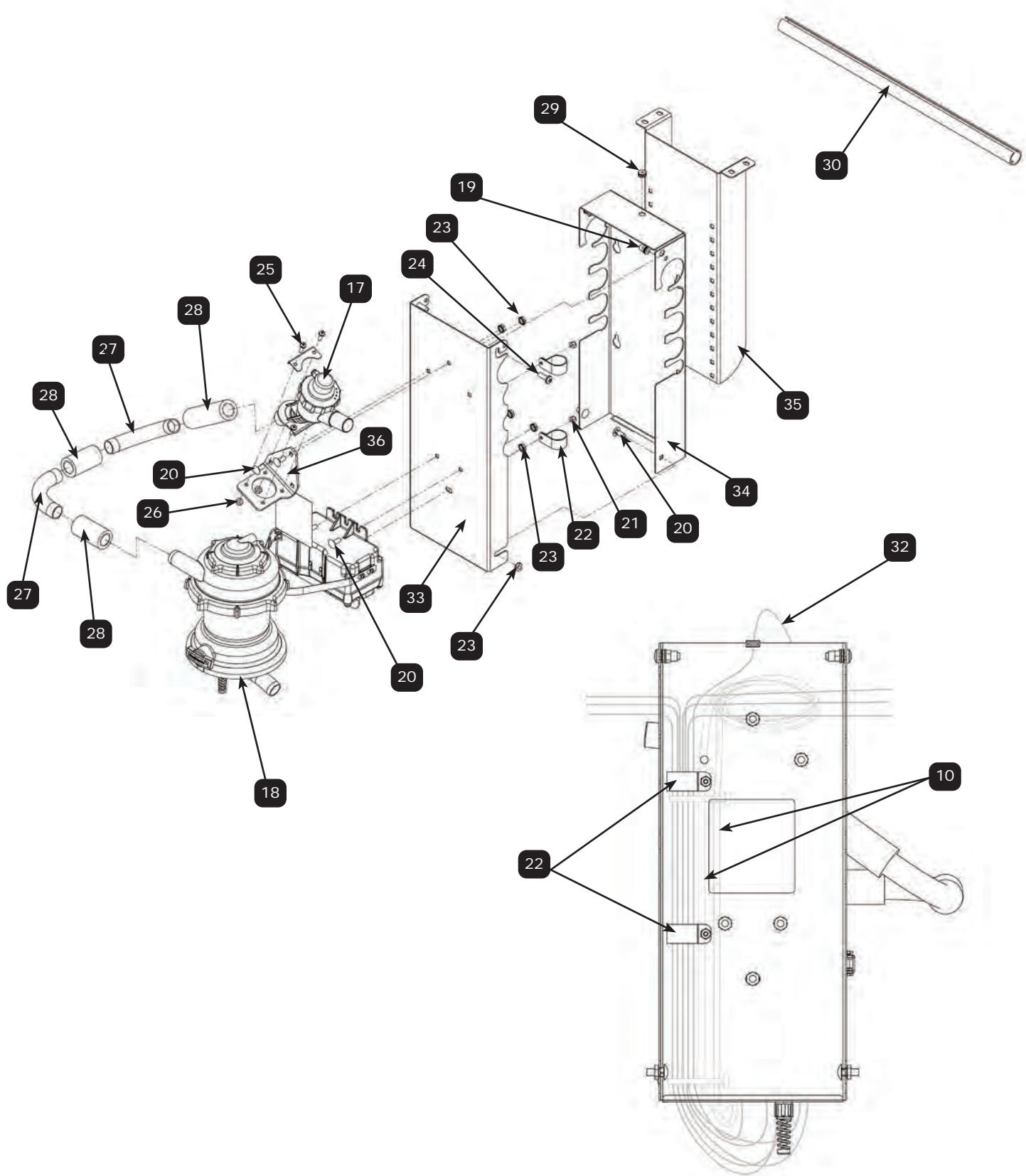
ITEM	PART NO.	⊗=Obsolete n/s=Not Shown	DESCRIPTION	QTY REQUIRED (a/r=As Required)							
	3559548	⊗	Meter Assy, 44, LH, Vac, 3 Cow Bank	9548							
	3559549	⊗	Meter Assy, 44, LH, Vac, 4 Cow Bank		9549						
	3559849		Meter Assy, 30, LH, Vac, 3 Cow Bank			9849					
	3559850		Meter Assy, 30, LH, Vac, 4 Cow Bank				9850				
	3560343		Meter Assy, 30, RH, Vac, 3 Cow Bank					0343			
	3560344		Meter Assy, 30, RH, Vac, 4 Cow Bank						0344		
	3560347	⊗	Meter Assy, 44, RH, Vac, 3 Cow Bank							0347	
	3560348	⊗	Meter Assy, 44, RH, Vac, 4 Cow Bank								0348
1	3557453		Termination, Prism	1	1	1	1	1	1	1	1
2	3561436	⊗	Cable Assy, Prsm-Sub, 100"	2	3	-	-	-	-	2	3
	3560101	⊗	Cable Assy, Prism-Sub, 84"	-	-	2	3	2	3	-	-
3	3560100		Cable Assy, Prism-Sub, 100 ft	1	1	1	1	1	1	1	1
4	3560745		Cable Assy, Power, 100"	2	3	-	-	-	-	2	3
	3560103	⊗	Cable Assy, Power, 84"	-	-	2	3	2	3	-	-
5	3560104		Cable Assy, Power, 100 ft	1	1	1	1	1	1	1	1
6	3560744		Cable Assy, Prism-Main, 100"	2	3	-	-	-	-	2	3
	3560102	⊗	Cable Assy, Comm, 84"	-	-	2	3	2	3	-	-
7	3560900		Cable Assy, Prism-Main, M, 32"	1	1	1	1	1	1	1	1
8	3560901	⊗	Cable Assy, Prism-Main, F, 88"	1	1	-	-	-	-	1	1
	3560445		Cable Assy, Prism-Main, F, 60"	-	-	1	1	1	1	-	-
9	1916643	n/s	Connector, Pin, Dual, 20 ga., Ferrule	8	11	8	11	8	11	8	11
10	3556372		Hose, Silicone, .25 x .09 Wall	a/r	a/r	a/r	a/r	a/r	a/r	a/r	a/r
11	1916633	n/s	Connector, Pin, Ferrule, 20 ga.	1	1	1	1	1	1	1	1
12	3556483	n/s	Elbow, 90, Nyl, 1/4 NPT x 1/4 Hose	6	8	6	8	6	8	6	8
13	322641YW	⊗	Hose, Nyl, Yel, 5/32 OD x 500 ft	a/r	a/r	a/r	a/r	a/r	a/r	a/r	a/r
14	3554451		Conn, Swl, Elb, 5/32 OD x 1/8 NPT	3	4	3	4	3	4	3	4
15	3559777	n/s	Cable Assy, Pulsator, 72"	3	4	3	4	3	4	3	4
16	3559782		Connector Assy, Cap, M, 3-Pin	3	4	3	4	3	4	3	4
17	3559544		Shutoff Assy, w/Nipple, Vac	3	4	3	4	3	4	3	4
18	3559862		Meter Assy, LH, Vac	3	4	3	4	-	-	-	-
	3559861		Meter Assy, RH, Vac	-	-	-	-	3	4	3	4
19	3560736		Nut, Insert, SS, 1/4-20	6	8	6	8	6	8	6	8
20	-----		Bolt, CRG, SS, 1/4-20 x 5/8	33	44	33	44	33	44	33	44
21	-----		Nut, Lock, Elas, SS, 8-32	6	8	6	8	6	8	6	8
22	1979220		Clamp, Cable, 1" ID x 1/2	6	8	6	8	6	8	6	8
23	-----		Nut, Hex, Keps, SS, 1/4-20	33	44	33	44	33	44	33	44
24	-----		MSCR, PNH, SS, 1/4-20 x 1/2	6	8	6	8	6	8	6	8
25	-----		MSCR, PNH, SS, 10-24 x 5/8	12	16	12	16	12	16	12	16
26	-----		Nut, Lock, Elas, SS, 10-24	12	16	12	16	12	16	12	16
27	3561449		Tube, Frmd, SS, .88 x 4.50	6	8	6	8	6	8	6	8
28	8516039		Hose, Milk, Silicone, 3/4 ID x 100 ft	a/r	a/r	a/r	a/r	a/r	a/r	a/r	a/r
29	4021781		Grommet, 0.16 ID x 0.25 Mtg x 0.50 OD	3	4	3	4	3	4	3	4
30	3559757	⊗	Pipe, PVC, 1.50 x 39.5, Split	3	4	3	4	3	4	3	4
31	3556371		Hose, Silicone, .125 x .06 Wall	a/r	a/r	a/r	a/r	a/r	a/r	a/r	a/r
32	3556251		Hose, Nyl, Nat, 5/32 OD x 500	a/r	a/r	a/r	a/r	a/r	a/r	a/r	a/r
33	3559752		Bracket, Meter, Front	3	4	3	4	3	4	3	4
34	3559753		Bracket, Meter, Back	3	4	3	4	3	4	3	4
35	3559755		Bracket, Mtg, Milk Meter	3	4	3	4	3	4	3	4
36	3559754		Bracket, Mtg, Sensor, w/Nipple	3	4	3	4	3	4	3	4

**SmartControl Meter Assembly, 3 & 4 Stall Bank for
TouchPoint, Right & Left Hand, Vacuum Shutoff**

SECTION D	PAGE 107
EFFECTIVE: 6/14/11	

CABLE WIRING DIAGRAM

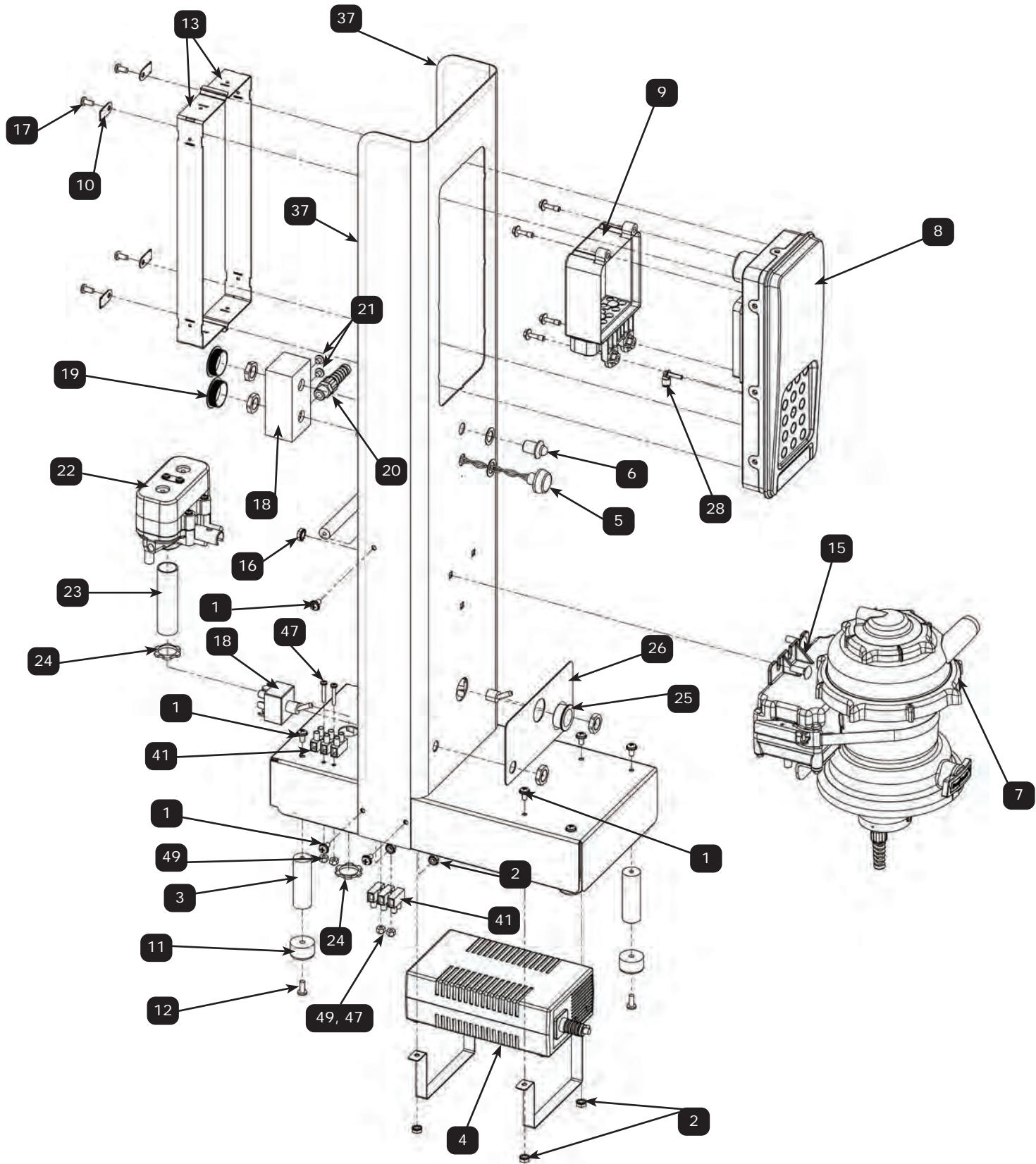


**SmartControl Meter Assembly, 3 & 4 Stall Bank for
TouchPoint, Right & Left Hand, Vacuum Shutoff**

**SmartControl Meter Demo Assembly,
TouchPoint & ViewPoint**

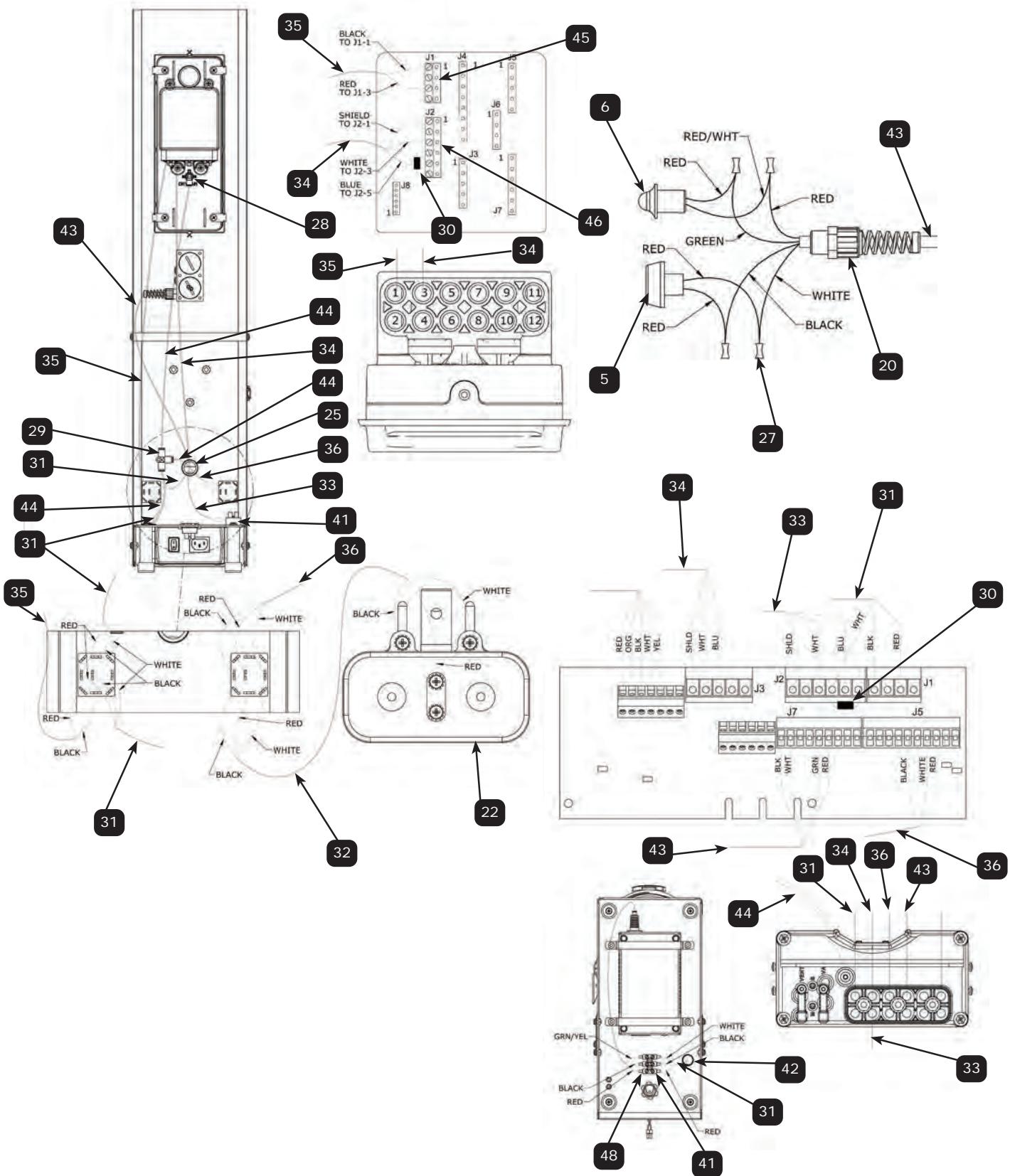
SECTION D	PAGE 109
EFFECTIVE: 6/15/11	

ITEM	PART NO.	⊗=Obsolete n/s=Not Shown	DESCRIPTION	QTY REQUIRED (a/r=As Required)
3561349			Demo Assy, T-Point - V-Point	1349
1	-----		MSCR, PNH, SS, Sems, 10-32 x 3/8	14
2	-----		Nut, Hex, Keps, SS, 10-32	8
3	3560929		Spacer, Foot, Base	4
4	3558985		Power Supply, 24VDC, 6A, Desk	1
5	3557988		Switch, Door, Detacher, SS	1
6	3558005		LED Indicator Assy, Red, 6.0"	1
7	3559861		Meter Assy, RH, Vac	1
8	3559530		Control, TouchPoint	1
9	3559919		Back Cover Assy, TouchPoint <i>(Refer to Back Cover Assembly, TouchPoint page for part breakdown)</i>	1
10	3559326	⊗	Bracket, Clamp, T-Point	4
11	3560946		Foot, Rubber, 1.00 x .59 Lg	4
12	-----		MSCR, PNH, SS, 10-32 x 1/2	4
13	3559327	⊗	Bracket, Hold Down, T-Point	2
14	4015914		Switch, 3PDT, .25 Spade	2
15	-----		Bolt, CRG, SS, 1/4-20 x 3/4	3
16	-----		Nut, Hex, Keps, SS, 1/4-20	3
17	-----		MSCR, PNH, SS, M5 x 6	4
18	3559723		Enclosure, Switch/LED	1
19	3559728		Cap, Remote Attach, PG21	2
20	1917572		Conn, Str-Rlf, .20-.27, 1/4 NPT	1
21	-----		MSCR, PNH, SS, 10-32 x 3/16	2
22	8518294		Pulsator Assy, Twin, High-Flow	1
23	1402302		Nipple, Galv, 1/2 x 3 LG	1
24	8513814		Nut, Lock, Conduit, 1/2 NPT	2
25	4017211		Bushing, Snap, Nylon, SB-1000-12	1
26	3560948		Label, T-Pnt/V-Pnt, Pulsator	1
27	3559724		Connector, Splice, 22-18 AWG	4
28	8504215		Conn, Elbow, Push-in, 5/32	1
29	8507090		Conn, Push, Tee, 5/32	1
30	3557453		Termination, Prism	2
31	3560966		Cable Assy, Demo TP/SC, SC Power	1
32	3560964		Cable Assy, Demo TP/SC, Pul-Swch	1
33	3560963		Cable Assy, Demo TP/SC, Comm 18"	1
34	3560962		Cable Assy, Demo TP/SC, Comm 40"	1
35	3560961		Cable Assy, demo TP/SC, TP Power	1
36	3560965		Cable Assy, demo TP/SC, SC-Switch	1
37	4016780		Trim, Seal, Flexible, 1/32	a/r
38	3551460	n/s	Adhesive, Loctite, No .242, 34oz	-
39	3559090	n/s	Cord, Power, 115Vac, IEC	1
40	3555075	n/s	Cord, Power, European-IEC	1
41	8518548		Block, Terminal, 3-Position	2
42	3554226		Bushing, Snap, Nylon, SB-750-10	1
43	3561346		Cable Assy, V-Pnt, LED/SW 31"	1
44	322641YW	⊗	Hose, Nyl, Yel, 5/32 OD x 500	a/r
45	3559203		Conn, Term Block, 4-Pin, 5mm	1
46	3559205		Conn, Term Block, 6-Pin, 5mm	1
47	-----		MSCR, PNH, SS, 6-32 x 7/8	4
48	1916625		Connector, Pin, ferrule, 16 Ga	3
49	-----		Nut, Lock, Elas, SS, 6-32	4

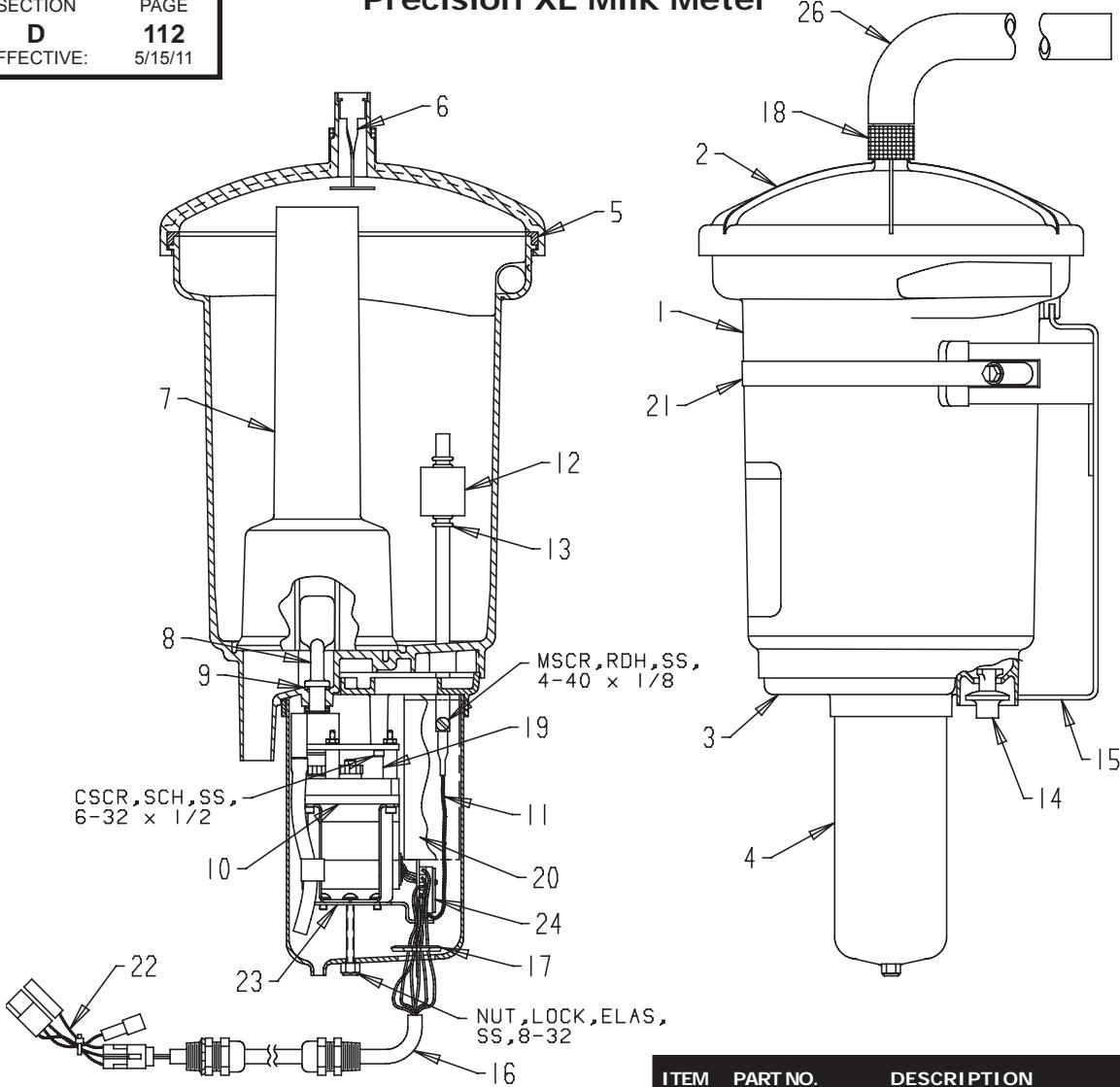
**SmartControl Meter Demo Assembly,
TouchPoint & ViewPoint**

**SmartControl Meter Demo Assembly,
TouchPoint & ViewPoint**

SECTION D	PAGE 111
EFFECTIVE: 6/15/11	



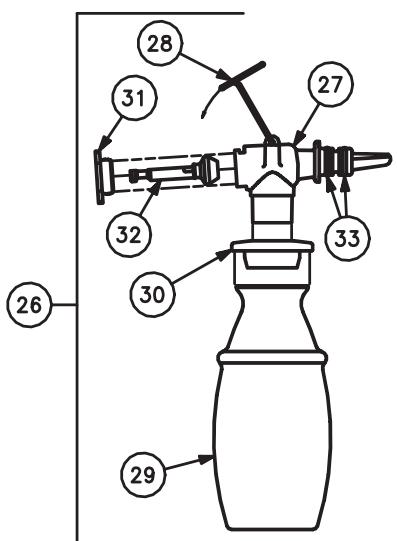
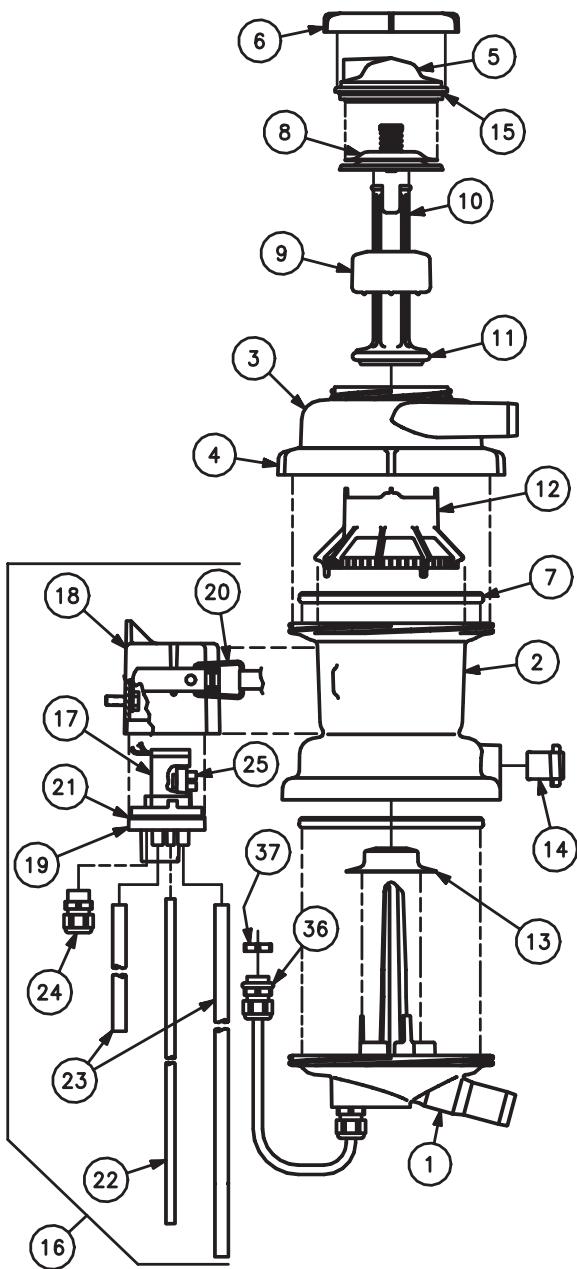
Precision XL Milk Meter



ITEM	PART NO.	DESCRIPTION	QTY REQ
3555761	⊗	Meter Assy, Prec XL, w/Cable	-
1	3556387	⊗ Kit, Repl, Prec XL, Housing (Coated)	1
	3555793	⊗ Kit, Repl, Prec XL, Housing	1
2	3554746	⊗ Cover, Milk Meter, M+	1
3	3555756	⊗ Motor Mtg, Milk Meter	1
4	3555757	⊗ Cover, Motor, Milk Meter	1
5	3555599	Gasket, Meter, Milk	1
6	3555843	⊗ Spray Assy, Milk Meter	1
7	3554590	Rotor, Meter	1
8	3552501	Spade, Drive, Milk Meter	1
9	3552515	O-ring, .426 x .070	1
10	3555965	⊗ Kit, Motor Assy	1
11	3555830	⊗ Switch Assy, Reed, Comm	1
12	3552525	Float Assy, w/Magnets	1
13	3552528	⊗ Pin, Hair Clip	2
14	3554788	Valve, Check	1
15	3555806	⊗ Bracket Assy, M+ Meter -MS	1
16	3555829	⊗ Cable Assy, Milk Meter	1
17	1917551	Connector, Dome, Nut, 1/2 NPT	1
18	3554955	⊗ Screen, Nipple, M+ Milk Meter	1
19	3555964	⊗ Kit, Gearbox Assy	1
20	3655780	⊗ PWB, Step Mtr, Potted	1
21	3555802	⊗ Clamp, Hose, SS, w/Sleeve-7.00-MS	1
22	3555781	⊗ Cable Assy, Pwr Adptr, Milk Mtr	1
23	3555779	⊗ Bracket Assy, Milk Meter Motor	1
24	3555835	Plate, Cover, PWB, Milk Meter	1
25	3555803	⊗ Kit, Meter Stabilizer (Parts on page D-114)	1
26	3555470	Hose, Rbr, .62 x 18.00, Frmd	1

Perfection Milk Meter Assemblies Butterfat Sampler

SECTION D	PAGE 113
EFFECTIVE: 7/21/17	

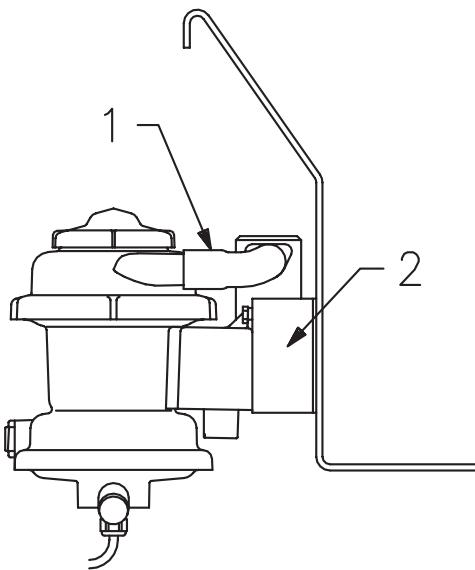


ITEM	PART NO.	DESCRIPTION	QTY	REQ
	3555726	Meter Assy, RH, Perfection	726	
	3556365	n/s Meter Assy, LH, Perfection	365	
1	3557680	⊗ Outlet Assy, Meter, Service (Includes item 36 & 37)	1	1
	3558387	Outlet Assy, Meter, Service (Includes item 36 & 37)	1	1
2	3555861	Body, Meter	1	1
3	3555850	Inlet, RH, Meter	1	-
	3556361	n/s Inlet, LH, Meter	-	1
4	3556366	Ring, Inlet, Meter	1	1
5	3556190	Cap, Diaphragm,w/o Ring Groove	1	1
6	3555854	Ring, Cap, Meter	1	1
7	3555852	Gasket, Meter	2	2
8	3556697	Diaphragm Assy, Meter, Repl	1	1
9	3556418	Float Assy, Calibrated	1	1
10	3556231	Plunger, Meter	1	1
11	3555610	⊗ O-ring, 1.475 x .210	1	1
	3556698	⊗ Baffle, Meter, Repl	1	1
12	3556229	Baffle, Meter (replaces 3556698)	1	1
13	3556232	Deflector, Meter	1	1
14	3556266	Plug, Sampler	1	1
15	3556392	O-ring, 2.489 x .070	1	1
16	3556699	⊗ Manifold/Mtg Assy, Meter, Repl (Includes 1 of item 17 thru 25)	1	1
17	3556275	Valve, Solenoid, Meter	1	1
18	3557228	Housing Assy, Mtg, Meter (Includes item 20 & hardware)	1	1
19	3557229	Manifold Assy, Meter (Includes item 17, 21, 25 & hardware)	1	1
20	3556367	Latch Assy, Meter	1	1
21	3555735	O-ring, 3.000 x .070	1	1
22	3556371	Hose, Silicone, .125 x .06 Wall	a/r	a/r
23	3556372	Hose, Silicone, .125 x .09 Wall	a/r	a/r
24	1917502	Conn,Str-Rif.,.19-.30, Pg 9	2	2
25	1917628	Connector Term Strip, 6-Pos	1	1
26	3556377 ¹	Sampler Assy, Butterfat (Includes items 27 thru 33)	1	1
27	3556332	Body, Sampler	1	1
28	3555731	Bail, Sampler	1	1
29	3556113	Jar, Sampler	1	1
30	3555729	Cover, Adapter, Sampler	1	1
31	3555728	⊗ Guide, Plunger, Sampler	1	1
	3556897 ²	Guide, Plunger, Sampler	1	1
32	3555727	⊗ Plunger, Valve, Sampler	1	1
	3556896 ²	Plunger Valve, Sampler	1	1
33	4014998	O-ring, .549 x .103	2	2
34	3556621	Kit, Service, Perf 3000, MM (Includes items 7, 8, 11, 14, 15)	a/r	a/r
35	3556622	Kit, Service, Perf 3000, Sampler (includes items 30 thru 33, also 39)	a/r	a/r
36	4014034	O-Ring, .609 x .139, Buna-N	1	1
37	1917561	Connector, Dome, Nut, PG-9	1	1
38	3557215	n/s Wrench, Perfection, Meter	1	1
39	-----	Literature 9ES-764 (Installation Instructions, Pref. Mtr & Cntrl)	ref	ref
40	-----	Literature 9ES-713 (User Instructions, Sampler)	ref	ref
41	-----	Literature 9E-866 (User Instructions, Outlet)	ref	ref

Note:

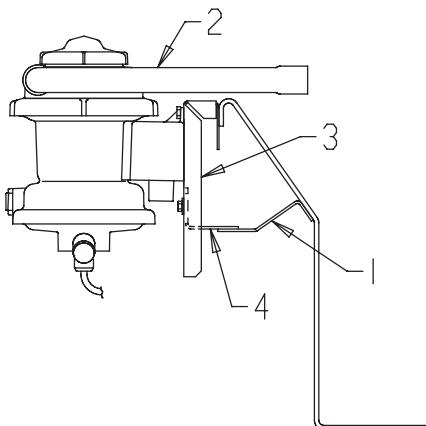
1. Sampler not included with meter assemblies.
2. Items 31 & 32 must be replaced as a set if existing valve has "D" shaped shaft.

Meter Mounting Kit, Wall



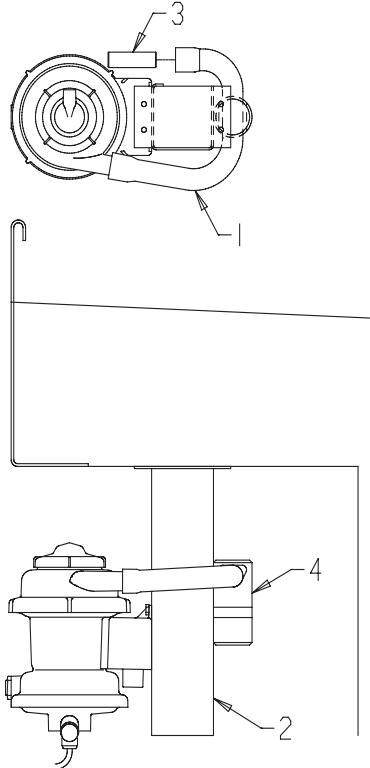
ITEM	PART NO.	DESCRIPTION	QTY REQUIRED (a/r=AS REQUIRED)
	3556570	Kit, Meter, Mtg, Wall, Perf	-
1	3556147	Hose, Rbr, .62/.75 x 12.00	1
2	3556456	Bracket, Mtg, Perf Meter	1

Meter Mounting Kit, Curb



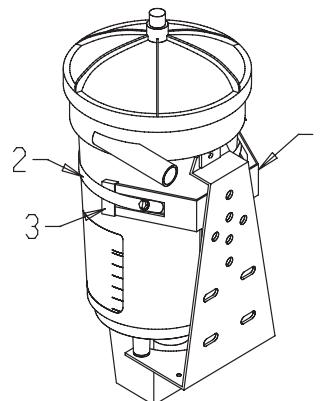
ITEM	PART NO.	DESCRIPTION	QTY REQ. (a/r=AS REQ.)
	3556571	Kit, Meter, Mtg, Curb, Perf	-
1	3553806	Bracket, Mtg	1
2	3556147	Hose, Rbr, .62/.75 x 12.00	1
3	3556500	Bracket Assy, Meter, Curb Mtg	1
4	3556502	Bracket, Support	1

Meter Mounting Kit, Recessed



ITEM	PART NO.	DESCRIPTION	QTY REQUIRED (a/r=AS REQUIRED)
	3556780	Kit, Meter Mtg, Recessed	780
	3556538	Kit, Meter Mtg, Recessed, Perf	538
1	3556147	Hose, Rbr, .62/.75 x 12.00	1 1
2	3556453	Bracket Assy, Mtg, Perf Meter	1 1
3	3553772	Tube, SS, .750 x .049 x 2.50	1 1
	8516295	Tube, SS, .875 x .065 x 4.05, #4	or 1 or 1
4	3554280	Valve Assy, Pinchoff (Parts on page D-60)	- 1

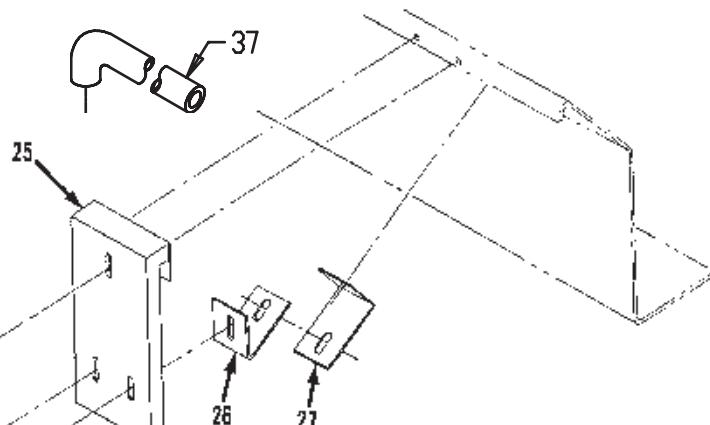
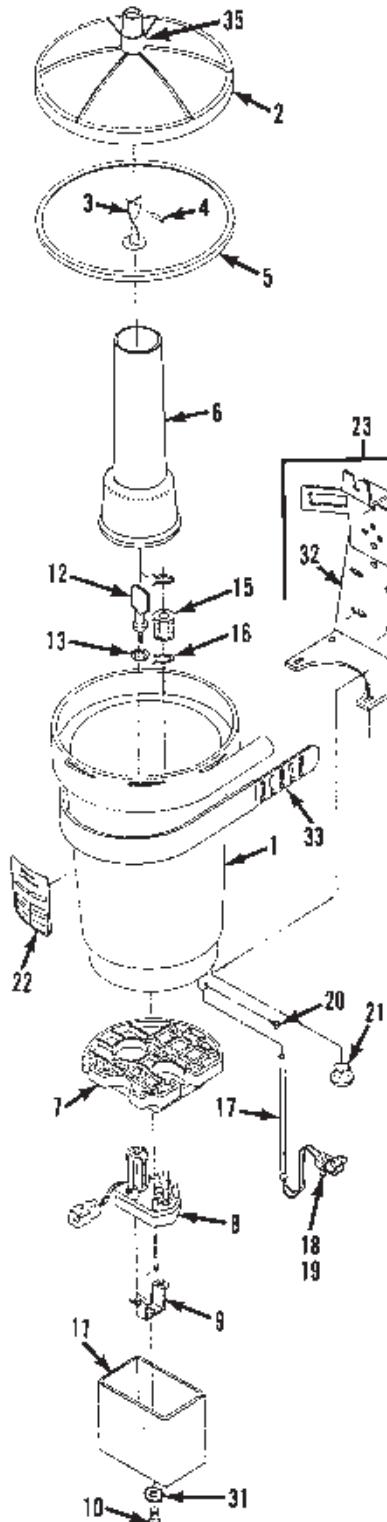
Meter Stabilizer Kit



ITEM	PART NO.	DESCRIPTION	QTY REQ. (a/r=AS REQ.)
	3555803	Kit, Meter Stabilizer	-
1	3555796	Bracket, Milk Meter, -MS	1
2	3555802	Clamp, Hose, SS, w/Sleeve-7.00-MS	1
3	3555957	Plug, Ext, Plstc, .06 x 1.15	2
4	-----	Literature 9P-647 (Installation instructions)	a/r

Model M+ & Precision Milk Meter Assemblies

SECTION D	PAGE 115
EFFECTIVE: 11/15/99	

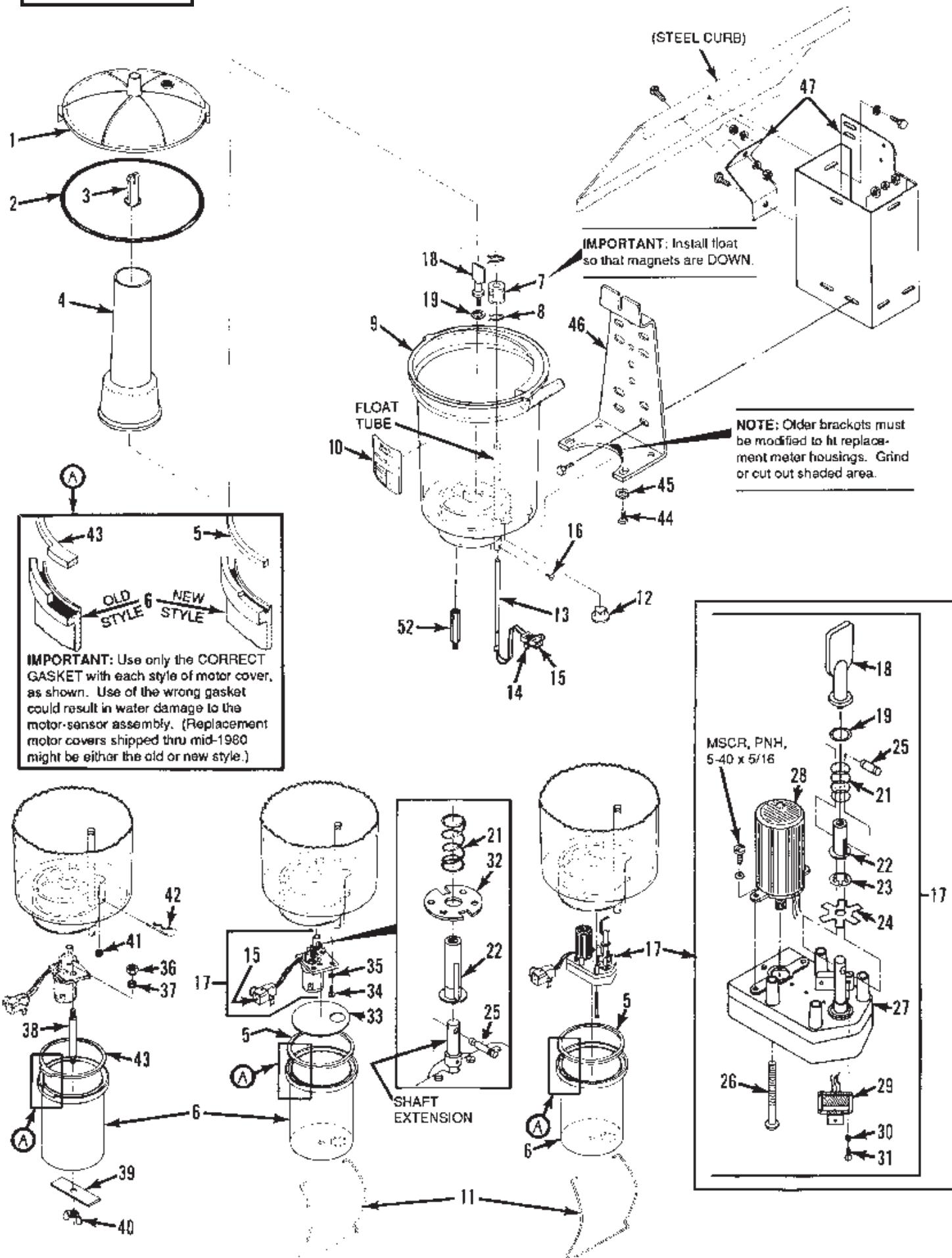


ITEM	PART NO.	DESCRIPTION	QTY	REQ
	3554763	⊗ Meter Assy, Milk M+		
	3554772	⊗ Meter Assy, Prec, w/Cable		
1	3554918	⊗ Kit, Repl, Precision, Housing (Includes items 7 & 22, and Float Tube)	1	1
2	3554746	⊗ Cover, Milk Meter, M+	1	1
3	3554761	⊗ Spray Assy, Milk Meter, M+	1	-
3	3555843	⊗ n/s Spray Assy, Milk Meter	-	1
4	3554762	⊗ Pin, Spray	1	-
5	3555599	Gasket, Meter, Milk	1	1
6	3554590	Rotor, Meter	1	1
7	3554747	⊗ Motor Mtg, Milk Meter, M+	1	1
8	3554673	⊗ Kit, Repair, Motor/Sensor (Parts on page D-117)	1	1
9	3554765	⊗ Bracket, Mtg, Motor Cover	1	1
10	3554764	⊗ Screw, Thumb, SS, 1/4-20 x 1/2	1	1
11	3554748	⊗ Cover, Motor, M+	1	1
12	3552501	Spade, Drive, Milk Meter	1	1
13	3552515	O-ring, .426 x .070	1	1
14	3552676	n/s Lubricant, Grease, O-ring	1	1
15	3552525 ¹	Float Assy, w/Magnets	1	1
16	3552528	⊗ Pin, Hair Clip	2	2
17	3552552	Switch Assy, Reed (Includes item 18 and 2 of item 19)	1	1
18	1916921	Connector, Plug, FH, 2-Pin	1	1
19	1916701	Conn, Pin, .093, M, 18-22, .06/.12	2	2
20	1002147	⊗ MSCR, RDH, SS, 4-40 x 1/8	1	1
21	3554788	Valve, Check	1	1
22	3553394	⊗ Label, DHIA, & Lb/Kg Scale	1	-
22	3556090	⊗ Label, Precision, Milk Meter	-	1
23	3555806	⊗ Bracket, M+ Meter -MS (Includes item 32)	-	1
24	3554778 ²	⊗ n/s Bracket, Mtg, Valve	1	1
25	3554777 ³	⊗ Bracket, Meter, Curb Mtg	1	1
26	3554780 ³	⊗ Bracket, Support	1	1
27	3554779 ³	⊗ Bracket, Support	1	1
28	3552550	n/s Cable Assy, M/M, Pre-greased	1	-
28	3554438	n/s Cable Assy, Milk Meter (Parts for both on page D-130)	-	1
29	3554913	⊗ n/s Kit, Repair, Prec, Major Tune-up (Include 1 each of items 5, 8 & 21)	1	1
30	3554914	⊗ n/s Kit, Repair, Prec, Minor Tune-up (Includes 1 each of items 5, 12, 13, 14, 21 and Motor.)	1	1
31	1249386	Washer, Lock, Ext-T, SS, 1/4	-	1
32	3554767	⊗ Brackey, Milk Meter, M+	1	1
33	3555802	⊗ Clamp, Hose, SS, w/Sleeve, -7.00 -MS	-	1
34	3556550	⊗ Kit, Meter Hsg, M to M+ (Includes item 1-3, 5, 9-11, 20, 32-33 & 35)	a/r	a/r
35	3554955	⊗ Screen, Nipple, M+ Milk Meter	1	1
36	3555803	⊗ n/s Kit, Meter Stabilizer (Parts on page D-114)	1	1
37	3555470	Hose, Rbr, .62 x 18.00, Frmd	1	1
38	3556252	⊗ Kit, Repair, Precision Motor (Includes 10 each of items 5, 12-13 & 21.)	a/r	a/r
39	3555051	⊗ Kit, Repair, M/M, 1 YR, 8 Unit (Includes 8 each of items 5, 12-13 & 21.)	a/r	a/r

Note:

1. Install Float with magnets DOWN.
2. Used ONLY with Shutoff Valve
3. Not supplied with Meter Assemblies 3554763 and 3554722.

Model M Milk Meter Assembly Milk Meter w/Cable



Model M Milk Meter Assembly

Milk Meter w/Cable

SECTION	PAGE
D	117
EFFECTIVE: 10/15/04	

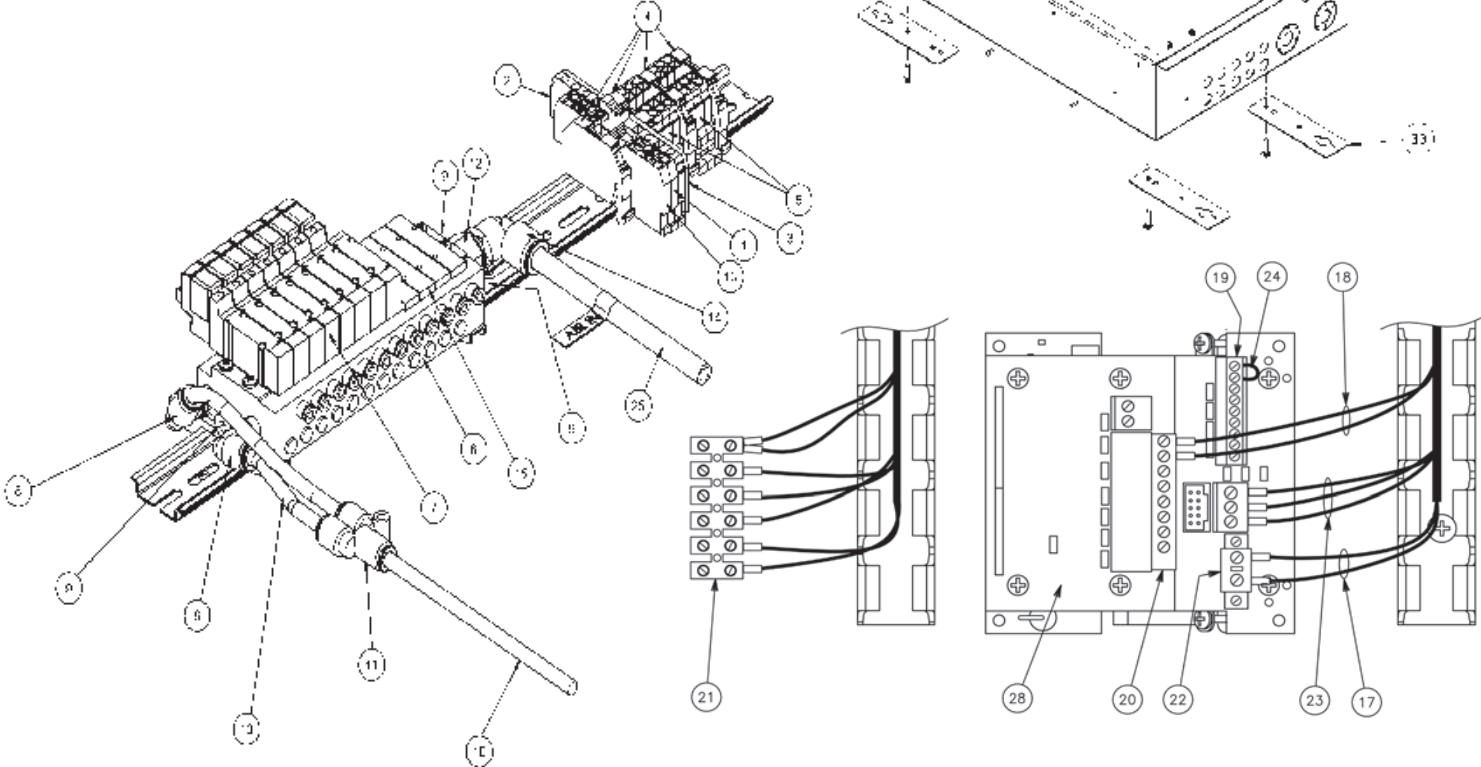
ITEM	PART NO.	⊗ =OBSOLETE n/s=NOT SHOWN	DESCRIPTION	QTY REQUIRED (a/r=AS REQUIRED)
	3552500	⊗	Meter Assy, Milk	2500
	3554373	⊗	Meter Assy, Milk, w/Cable	4373 4373
—	3552614	⊗	n/s Kit, Repair, M/M, 1 Yr/8 Unit (Includes item 20 and 8 each of items 2, 19 & 12 [3554788])	a/r a/r
1	3552511	⊗	Cover Assy, Milk Meter	1 1
2	3552516	⊗	O-ring, 7.475 x .210, Buna-N	1 1
3	3552512	⊗	Nozzel, Spray	1 1
4	3554590		Rotor, Meter	1 1
5	3552571 ¹	⊗	Gasket, Motor Cover	1 1
6	3552508 ¹	⊗	Cover, Motor	1 1
7	3552525		Float Assy, w/Magnets	1 1
8	3552528	⊗	Pin, Hair Clip	2 2
9	3556550	⊗	Kit, Meter Hsg, M to M+	1 1
10	3553394	⊗	Label, DHIA & Lb/Kg Scale	1 1
11	3552607	⊗	Bail, Milk-Meter	1 1
12	3552570		Valve, Check	1 1
	3554788		Valve, Check	1 1
13	3552552		Switch Assy, Reed (Includes item 14 and 2 of item 15)	1 1
14	1916921		Connector, Plug, FH, 2-Pin	1 1
15	1916701		Conn, Pin, .093, M, 18-22, .06/.12	6 6
16	1002148	⊗	MSCR, RDH, SS, 4-40 x 3/16	1 1
17	3554673	⊗	Kit, Repair, Motor/Sensor (Includes items 18,19,21,22,23,24,25)	1 1
18	3552501		Spade, Drive, Milk Meter	1 1
19	3552515 ²		O-ring, 0.426 x .070	1 1
20	3552676		20 Lubricant, Grease, O-ring, 8 oz	1 1
	3554912	⊗	20 Lubricant, Grease, O-ring, 1-1/2 oz	1 1
21	3552517		Spring, Compr, .480-.038 .88	1 1
22	3552216		Coupling, M/Meter Motor	1 1
23	3552694		Ring, Retaining, Circ, Ext, 1/4 In	1 1
24	3551465		Shutter, Sensor	1 1
25	3552590		Pin, MM Motor, Spring	1 1
26	1096173		MSCR, PNH, SS, 6-32 x 1-3/4	4 4
27	3554676	⊗	Gearbox Assy, Milk-Meter (Includes items 18 thru 26)	1 1
28	3551487	⊗	Kit, Repl, Motor, Milk Meter	1 1
29	3551484	⊗	Sensor Assy, M/Meter Motor	1 1
30	1249397		Washer, Lock, Ext-T, SS, #4	2 2
31	1097150		MSCR, PNH, SS, 4-40 x 5/16	2 2
32	3552587 ³	⊗	Shutter, Sensor	1 1
33	3552609 ⁴	⊗	Baffle, Motor Cover, SS	1 1
34	1096165 ⁵		MSCR, PNH, SS, 6-32 x 1/2	4 4
35	1235382 ⁵		Washer, Lock, Intl-T, SS, #6	4 4
36	1204380 ⁶		Nut, Hex, Mscr, SS, 10-32	1 1
37	1209384 ⁶		Wshr, Lock, Hlcl Spr, SS, #10	1 1
38	3552524 ⁶	⊗	Stud, SS, Dbl-End, 10-32	1 1
39	3552608 ⁶	⊗	Plate, Support	1 1
40	1206380 ⁶	⊗	Nut, Wing, SS, 10-32	1 1
41	3552521 ⁶	⊗	Ball, Check	1 1
42	3552520 ⁶	⊗	Pin, Hair, SS, .094 x 2-5/16 x 5/8 EYE	1 1
43	3552580 ⁷	⊗	Gasket, Motor Cover	1 1
44	1091006		CSCR, XHX, SS, 1/4-20 x 1/2	2 2
45	1209386		Wshr, Lock, Hlcl Spr, SS, 1/4	2 2
46	3552513 ⁸	⊗	Bracket, Milk-Meter	1 1
47	3553075 ⁸	⊗	Bracket Assy, Steel Curb Mtg (Includes mounting hardware)	1 1
48	3552613 ⁸		Lubricant, M/M Water Test	a/r a/r
49	3552277 ⁸	⊗	n/s Orifice, Test	a/r a/r
50	3552279 ⁸	⊗	n/s Flask, Erlenmeyer 4000 ML	a/r a/r
51	- - - - ⁸		Literature 9P-341 ("Milk Meter Accuracy Test")	ref ref
52	3553436 ⁹	⊗	Standoff, Hex, Brs, 6-32 x 1.00	4 4
53	3552550	⊗	n/s Cable Assy, M/M, Pre-greased	- 1

Note:

1. Replacement motor covers shipped thru mid-1980 might be either old or new style. For correct gasket usage, see detail A.
2. When replacing O-ring, apply thin film of lubricant (item 20) to O-ring and underside of spade drive.
3. Used only on assemblies with photo cell sensor. All later assemblies use item 24.
4. Not required in later assemblies.
5. Used only in assemblies using earlier motor assemblies.
6. All meters using these items have been retrofitted with later items.
7. See detail A for proper usage.
8. Not supplied with meter assembly.
9. Required only on later assemblies with short motor mount bosses.

Control Assemblies, ParlorMetrix™

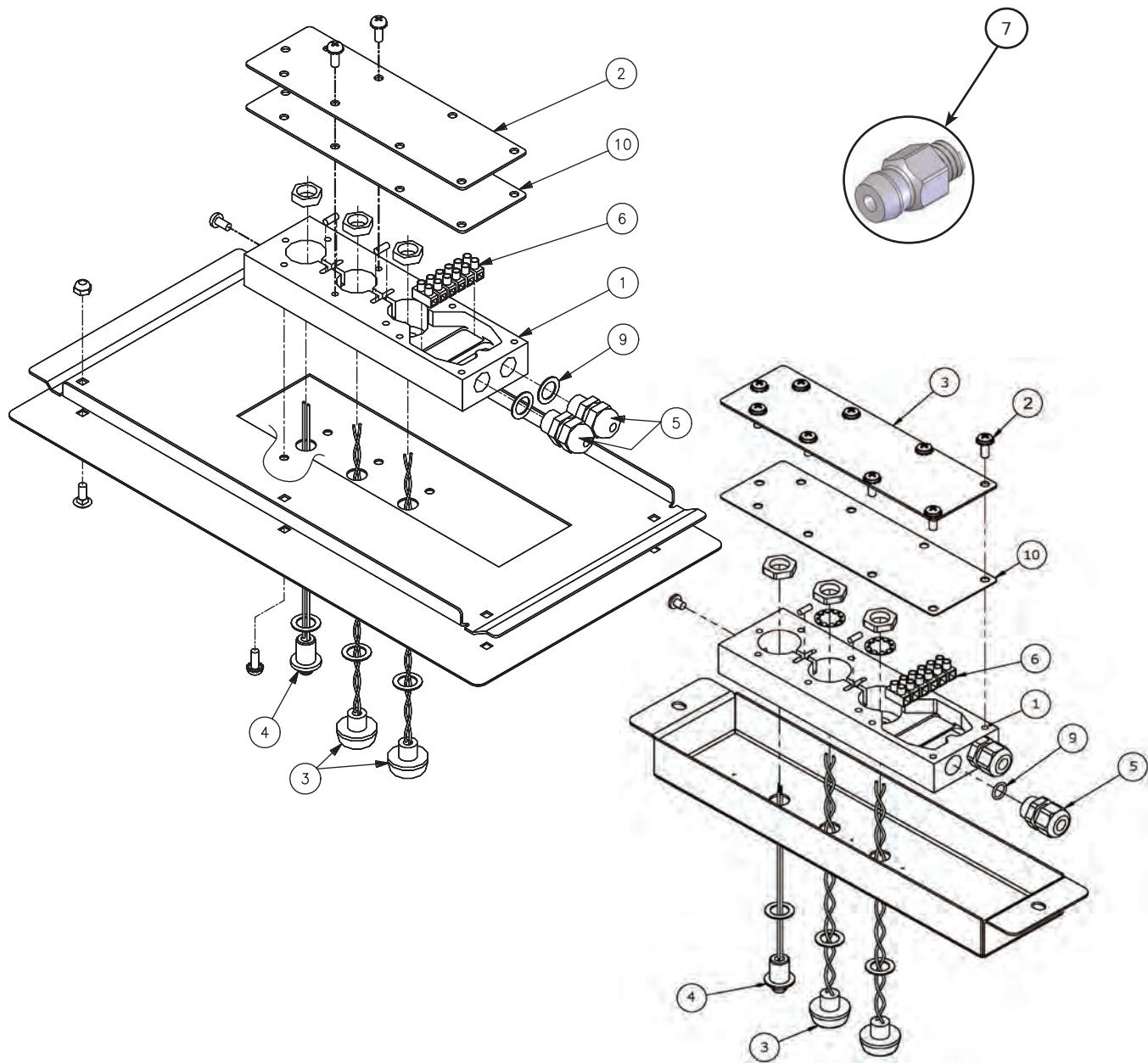
ITEM	PART NO.	DESCRIPTION	QTY REQUIRED		
			(a/r)	(as required)	
3558331		Control, Assy, ParlorMetrix™, 8-Stall	331		
3558332		Control, Assy, ParlorMetrix™, 10-Stall	332		
3558333		Control, Assy, ParlorMetrix™, 12-Stall	333		
1	3558253	Connector, Pwr, DIN Rail Mtg	1	1	1
2	3558272	Conn, Pwr; w/SW, DIN Rail Mtg	1	1	1
3	3558273	Barrier, Conn, Pwr, DIN Rail Mtg	1	1	1
4	3558274	Bracket, End, Conn, DIN rail Mtg	4	4	1
5	3558249	Connector, Comm, DIN Rail, Mtg	6	6	6
6	3558250	Manifold Assy, Valve, 12 Stall	1	1	1
7	3558977	(Shown) Manifold Assy, Valve, 12 Stall	1	1	1
	3558252	Valve, Manifold Assy (Model - VQ2115Y)	8	10	12
	3558978	Valve, Manifold Assy (Model - SY3140)	8	10	12
8	3554085	Conn, Swl, Elb, 1/4 OD x 1/8 NPT	2	2	2
9	3558982	Plug, 1/8 NPT, Brass	3	3	3
10	8519183	Tube, Nylon .25 x .035	3	3	3
	3560897	Hose, Nylon, Natural, 1/4 OD, By Ft	a/r	a/r	a/r
11	3558277	Conn, Push, Union Y, 1/4	1	1	1
12	3558983	Reducer, 1/8 NPT x 1/4 NPT, Brass	1	1	1
13	3558354	Connector, GND, DIN rail Mtg	1	1	1
14	3556891	Conn, Swl, Elb, 3/8 OD x 1/4 NPT	1	1	1
	3558360	Blanking Plate, Manifold (Model - VVQZ100)	4	2	-
15	3558979	Blanking Plate, Manifold (Model - SY3000)	4	2	-
16	3558746	Gasket, Cover, Control Box	1	1	1
17	3558243	Wire Harness, Power	1	1	1
18	3558244	Wire Harness, Solenoid Valves (3558252)	1	1	1
	3558981	Wire Harness, Solenoid Valves (3558978)	1	1	1
19	1916869	Connector, Plug, VT, 9P x .15	8	10	12
20	1916868	Connector, Plug, RA, 9P x .15	8	10	12
21	1917628	Connector, Term Strip, 6-Pos	4	2	-
22	1916867	Connector, Plug, VT, 2P x .300	8	10	12
23	3558556	Wire Harness, Communications	1	1	1
24	1996603	Wire Strd, 16 AWG, Yellow	.66	.83	1
25	3558984	Hose, Nyl, Nat, 3/8 x 1000 FT	a/r	a/r	a/r
26	3558246	n/s SCover, Duct, 2 x 3 x 72 Long	.67	.67	.67
27	3558270	n/s Cover, Duct, 2 x 3 x 72 Long	34	.34	.34
28	3558601	Electronic Assy, 5600	a/r	a/r	a/r
29	8501363	Keeper, Latch	3	3	3
30	1206380	Nut, Wing, SS, 10-32	3	3	3
31	1208384	Washer, Plain, SS, #10	3	3	3
32	1096228	MSCR, PNH, SS, 10-32 x 2 1/2	3	3	3
33	3558735	Bracket, MTG, Control Box	4	4	4
34	-----	Literature 9E-863 (Enclosure Installation, Operation & Maintenance)	ref	ref	ref
	-----	Literature 9E-862 (Detacher Cntrl Installation, Operation & Maintenance)	ref	ref	ref
35	-----	(Detacher Cntrl Installation, Operation & Maintenance)	ref	ref	ref



ParlorMetrix Kits

SECTION D	PAGE 119
EFFECTIVE: 1/24/06	

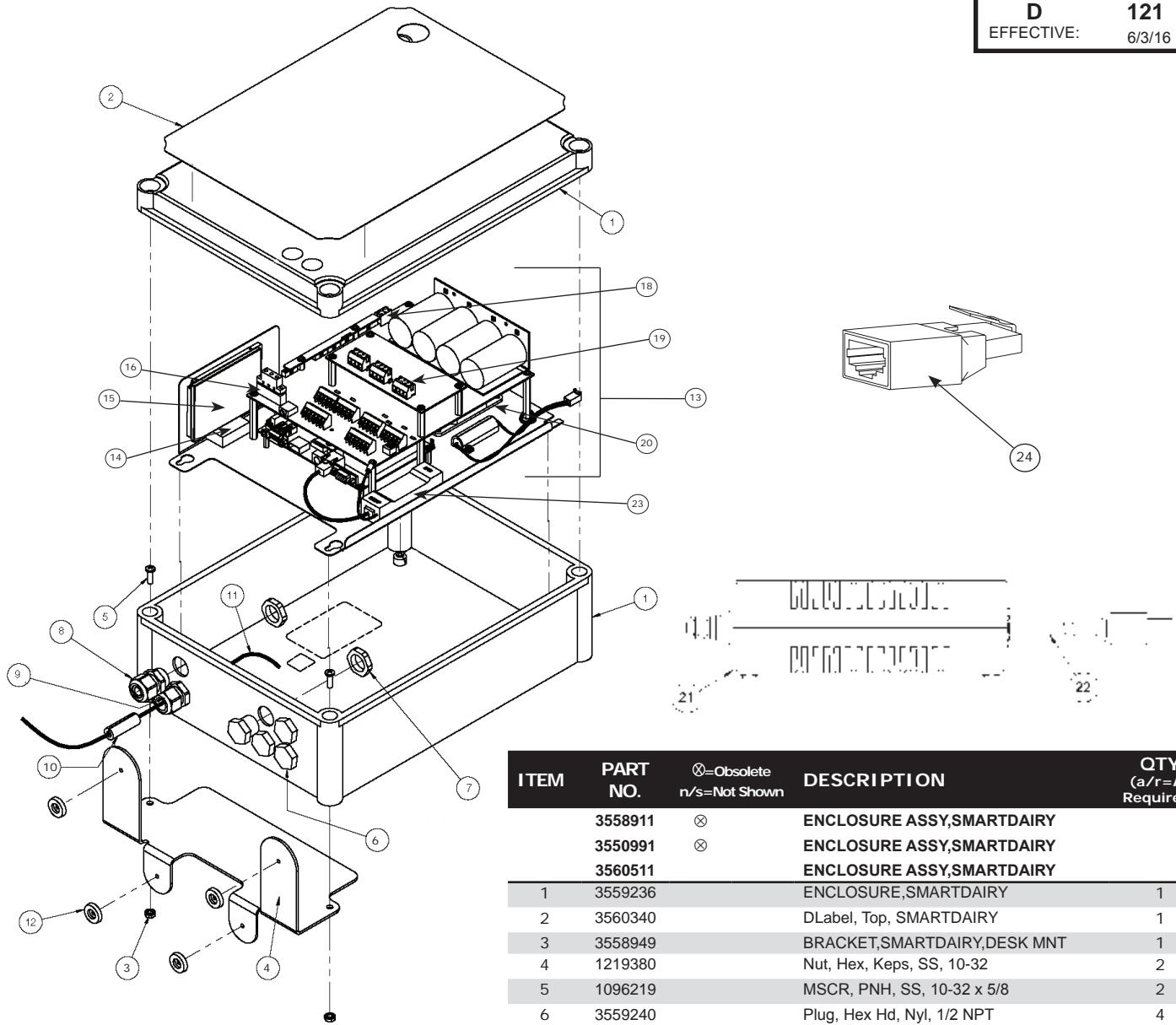
ITEM	PART NO.	DESCRIPTION	QTY REQUIRED (a/r=n=not shown)
-	3558638	Kit, ParlorMetrix, 2 x 6	38
-	3558639	Kit, ParlorMetrix, 2 x 8	39
-	3558640	Kit, ParlorMetrix, 2 x 10	40
-	3558641	Kit, ParlorMetrix, 2 x 12	41
-	3558642	Kit, ParlorMetrix, 2 x 14	42
-	3558643	Kit, ParlorMetrix, 2 x 15	43
-	3558644	Kit, ParlorMetrix, 2 x 16	44
-	3558645	Kit, ParlorMetrix, 2 x 18	45
-	3558646	Kit, ParlorMetrix, 2 x 20	46
-	3558647	Kit, ParlorMetrix, 2 x 22	47
-	3558648	Kit, ParlorMetrix, 2 x 24	48
-	3558649	Kit, ParlorMetrix, 2 x 25	49
-	3558650	Kit, ParlorMetrix, 2 x 30	50
-	3558651	Kit, ParlorMetrix, 2 x 32	51
-	3558652	Kit, ParlorMetrix, 2 x 35	52
-	3558653	Kit, ParlorMetrix, 2 x 36	53
-	3558654	Kit, ParlorMetrix, 2 x 40	54
-	3558655	Kit, ParlorMetrix, 2 x 45	55
-	0091040	Sftwr, Prism, Utilities 06/05 - Version, Configurator 1.2.18 and ParlorMetrix Graph 1.0.26 08/05 - Version, Configurator 1.2.20 and ParlorMetrix Graph 1.0.27	1
-	3558928	Converter, USB-Prism/RS-232	1
-	3558684	Enclosure, Hinged, 10 x 8 x 6	1
-	3558683	Plate Assy, Power Supply	1
-	3557976	Power Supply, 24VDC, 4.0A, Din	1
-	3558018	Lubricant, Grease, 14Oz	3
-	3558191	Switch Assy, Detacher 1, SS (Part on page D-120)	12
-	3558190	Valve Assy, Detacher, 2 Cyl	6
-	3558331	Control Assy, ParlorMetrix, 8 Stall	-
-	3558332	Control Assy, ParlorMetrix, 10 Stall	-
-	3558333	Control Assy, ParlorMetrix, 12 Stall (Parts for Control Assemblies on page D-118)	1
-	3555741	n/s Switch, Pneumatic	2
-	1980311	n/s Switch, PB, SPST, Momentary	2

Switch Assemblies, ParlorMetrix™ Detacher

ITEM	PART NO.	QTY	DESCRIPTION	QTY REQUIRED
			⊗ = OBSOLETE n/s = NOT SHOWN	(a/r = AS REQUIRED)
3558191			Switch Assy, ParlorMetrix™ Detacher	-
3558592	⊗		Switch Assy, ParlorMetrix™ Detacher (Wide)	-
3558615	⊗		Door Assy, ParlorMetrix™ Detacher	-
1	3558123		Enclosure, Switch, LED	1 1 1
2	3558124		Cover, Enclosure, Switch/LED	1 1 1
3	3557988		Switch, Door, Detacher, SS	2 2 2
4	3558005		LED Indicator Assy, Red, 2.5"	1 1 1
5	1917503		Connector, Strain Relief, .12-.23, PG9	2 2 2
6	1917628		Connector Term. Strip, 6-Pin	1 1 1
7	3558019	⊗ n/s	Fitting, Grease, 10-32	1 1 1
	3562545		Fitting, Grease, 10-32	1 1 1
8	3558186	n/s	Wrench, PG9	1 1 1
9	3557919		O-Ring 0.470 x .060, BUNA-N	2 2 2
10	3558122		Gasket, Cover, Enclosure, SW/LED	1 1 1
11	----		Literature 9E-861 (Installation, Operation & Maintenance)	ref ref ref

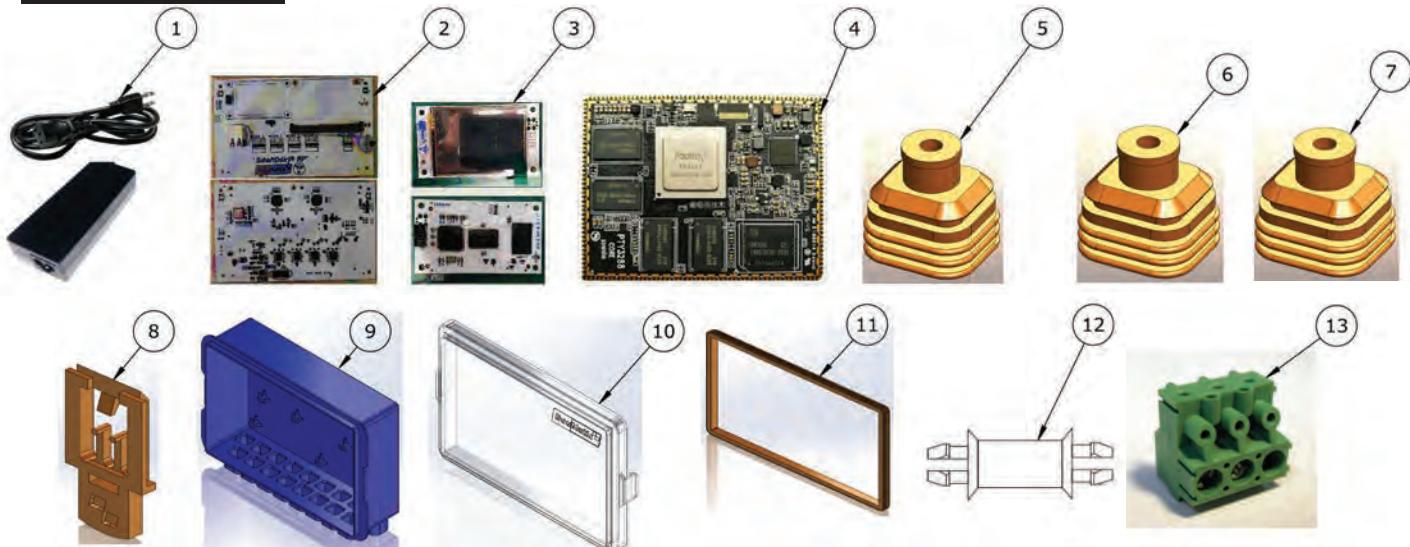
SmartDairy Control Assembly

SECTION D	PAGE 121
EFFECTIVE: 6/3/16	

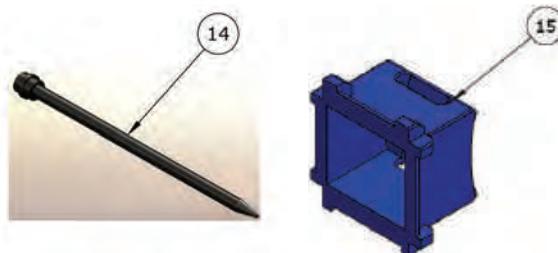


ITEM	PART NO.	⊗=Obsolete n/s=Not Shown	DESCRIPTION	QTY (a/r=As Required)
	3558911	⊗	ENCLOSURE ASSY,SMARTDAIRY	
	3550991	⊗	ENCLOSURE ASSY,SMARTDAIRY	
	3560511		ENCLOSURE ASSY,SMARTDAIRY	
1	3559236		ENCLOSURE,SMARTDAIRY	1
2	3560340		DLabel, Top, SMARTDAIRY	1
3	3558949		BRACKET,SMARTDAIRY,DESK MNT	1
4	1219380		Nut, Hex, Keps, SS, 10-32	2
5	1096219		MSCR, PNH, SS, 10-32 x 5/8	2
6	3559240		Plug, Hex Hd, Nyl, 1/2 NPT	4
7	1917551		Connector, Dome, Nut, 1/2 NPT	6
8	1917533		Conn, Str-Rif, .20-.35, 1/2 NPT	1
9	1917573		Conn, Str-Rif, .39-.55, 1/2 NPT	1
10	8506904		Hose, Vinyl, .125W, Blk/Wht	a/r
11	3559238		Cabel, Ethernet, 10Ft	1
12	3558951		FOOT,BRKT,SMARTDAIRY	4
13	3559272	⊗	ELEC ASSY,SMARTDAIRY,SERV,G1&2 (Includes items 14 thru 20)	1
	3561523		ELEC ASSY,SMARTDAIRY,SERV,G3 (Replaces 3559272)	1
14	3558945		Block, Foam, 1.5 x 1.5 x .75	1
15	3558914		HARD DRIVE,SMARTDAIRY,SRV,G1&2	1
	3561531		HARD DRIVE,SMTDRY,SERV,SATA,G3	1
16	1916942		Connector, Plug, FH, 3-Pin	1
17	3557453	n/s	Termination, Prism	1
18	1917631		Connector, Term Strip, 3-Pos	1
19	1917632		Connector, Term Strip, 4-Pos	3
20	3558720		Fan, 24VDC, Axial, 92MM x 25MM	1
21	3558985		Power Supply, 24 VDC, 4A, Desk	1
22	3559090		Cord, Power, 115VAC, IEC (shown)	1
or	3555075		Cord, Power, European-IEC	1
23	3561432		Surge Protector	1
24	3559237		Ethernet Cross-Over Adapter	1

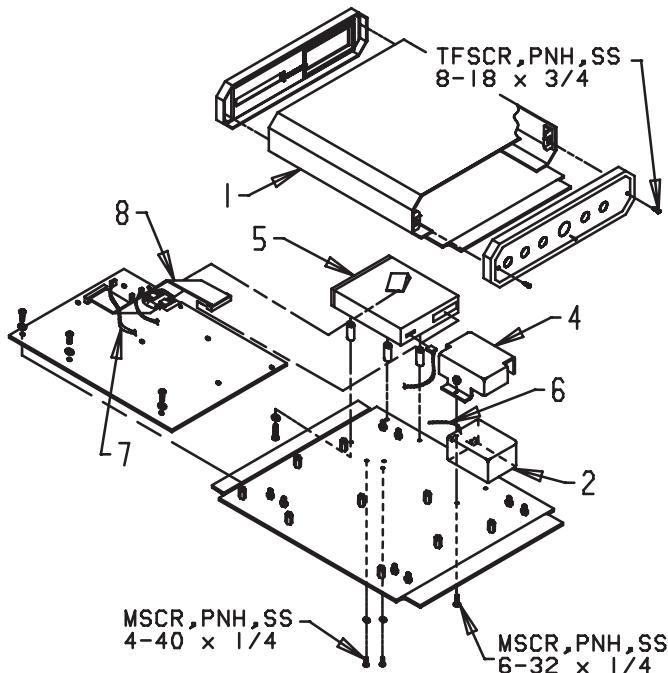
SmartConnect Controller



ITEM	PART NO.	DESCRIPTION	QTY. REQ. n/s=NOT SHOWN a/r=AS REQ.
8592062		SMARTCONNECT,CONTROLLER	-
1	8592662	SMARTCONNECT,12VDC PS	1
2	8592661	SMARTCONNECT,ASSY,BASE BOARD	1
3	8592660	SMARTCONNECT,ASSY,SCREEN BOARD	1
4	8592659	RK3288 SOM	1
5	8591396	CLICKIN PUSHOUT PLUG, BLIND	14
6	8591394	CLICKIN PUSHOUT PLUG, 6MM	1
7	8591911	CLICKIN PUSHOUT PLUG, 8MM	1
8	8591408	ENCLOSURE DIN CLIP	2
9	8591391	ENCLOSURE,BASE	1
10	8591398	SMARTLITE LID CONTROL	1
11	8591397	SMARTLITE GASKET CONTROL BOX	1
12	8592738	PCB PCP SPT DMSP 1/4	4
13	2700014	PLUGGABLE TERMINAL BLOCKS 3	4
14	8593152	SMARTCONNECT,TOUCH,PEN	1
15	8592061	BLUE DIN BRACKET	a/r



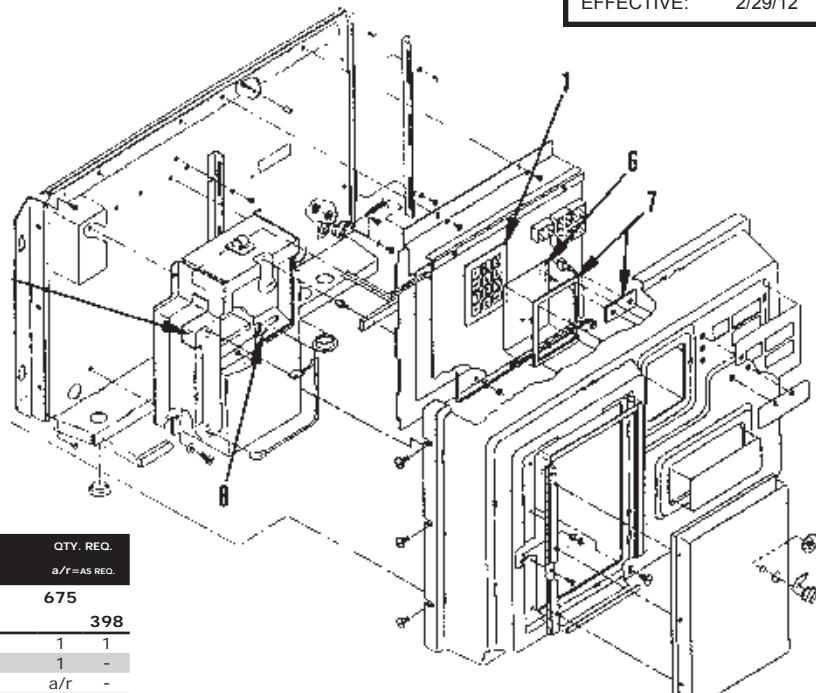
Control Assembly 2045, 2045+, 2045N, 2050



ITEM	PART NO.	DESCRIPTION	QTY. REQ. n/s=NOT SHOWN a/r=AS REQ.
3554929	⊗	Control Assy, Model 2045/Chass	-
3555195	⊗	Control Assy, Model 2045+	-
3556745	⊗	Control Assy, Model 2045N	-
3657377	⊗	*Control Assy, 2050	-
1	3555047	Cover Assy, Agri-Comp 2045	1
2	1912504	Battery, 6V, Lead-Acid	1
3	3555077	n/s Power Supply, 1-Unit, 12V, Plug-In	1
	3555076	n/s Power Supply, 1-Unit, 12V, Europe	1
4	3554934	Bracket, Battery, 6 Volt	1
5	3556876	⊗ Disk Drive, 2045	1
6	3554936	⊗ Wire Harness, Battery, 2045	1
7	3554938	⊗ Wire Harness, 2-Pin, 2045	1
8	3554939	⊗ Wire Harness, Ribbon, 2045	1
9	1917632	n/s Connector, Term Strip, 4-Pos	1
10	1917631	n/s Connector, Term Strip, 3-Pin	1
11	1917633	n/s Connector, Term Strip, 5-Pos	1
12	1916815	⊗ Connector, Plug, RA, 3P x 5mm (power)	1
13	3557388	⊗ n/s Literature, 2050 Manual, EG	1

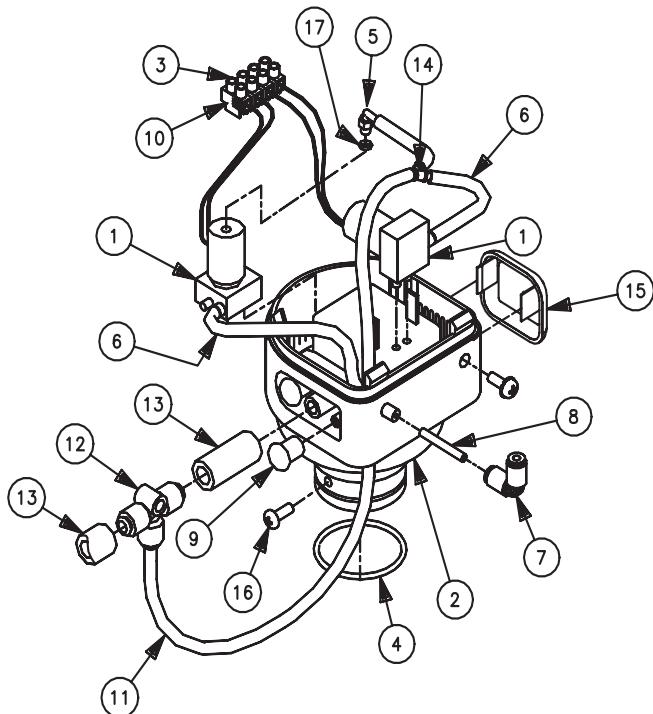
2030 & 2040 Control Assembly

SECTION D PAGE 123
EFFECTIVE: 2/29/12



ITEM	PART NO.	DESCRIPTION	QTY. REQ.
		n/s=NOT SHOWN	a/r=AS REQ.
	3553675	Control Assy, Model 2030	675
	3554398	Control Assy, Model 2040	398
1	3552577	Flex-Switch, Agricomp 2030	1 1
2	3552656	n/s Printer, Agricomp, 2030/2025	1 -
3	3552562	n/s Paper,Printer, Agricomp	a/r -
4	3552677	n/s Tape, Cassette, Agricomp	a/r -
5	4015381	Battery, 8.0 VDC	1 1
6	3553655	Seal, Keypad	1 1
7	3552488	Gasket Set, Keypad/Switches	1 1
8	3654815	Peripheral Assy, 2040	- 1
9	1917631	Connector, Term Strip, 3-Pos	- 4
10	1917632	Connector, Term Strip, 4-Pos	8 9
11	1917633	n/s Connector, Term Strip, 5-Pos	- 1
12	1917634	n/s Connector, Term Strip, 6-Pos	- 1
13	1917636	n/s Connector, Term Strip, 8-Pos	2 -
14	1939404	n/s Insulator, Fuse Body	3 3
15	1931831	n/s Fuse, 5.00A, 250V, Slow, 1.25 x .25	1 2
16	1931826	n/s Fuse, 2.50A, 250V, Slow, 1.25 x .25	- 1
17	1931818	n/s Fuse, 1.00A, 250V, Slow, 1.25 x .25	1 -
18	1931828	n/s Fuse, 3.00A, 250V, Slow, 1.25 x .25	1 1
19	3552563	n/s Ribbon, Printer, Pack of 2	a/r -

Cylinder Dual Valve Assembly

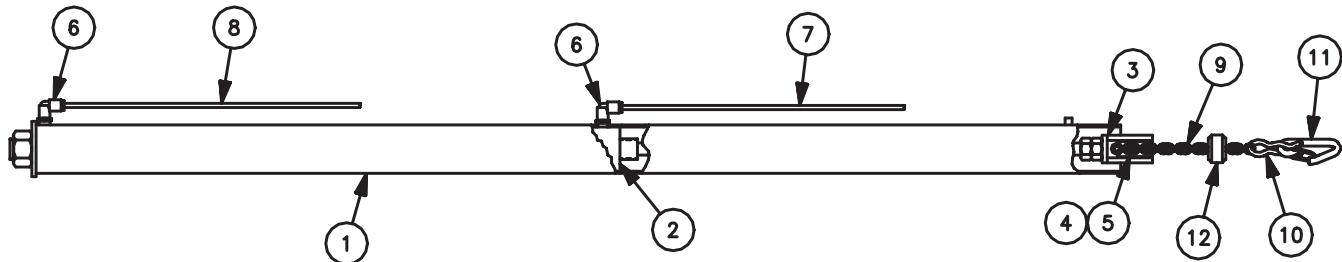


ITEM	PART NO.	DESCRIPTION	QTY. REQ.
		n/s=NOT SHOWN	a/r=AS REQ.
	3557262	Valve Assy, Dual, Cylinder	-
1	3557052	Valve Assy, Solenoid	2
2	3557974	Valve Assy, Dual, Service	1
3	1917657	Connector, Term Strip, 4-Pos	1
4	3553693	O-Ring, 1.674 x .103, Buna-N	1
5	3557306	Adapter, Elbow, 1/8 Hose x 10 - 32	1
6	3556371	Hose, Silicone, .125 x .06 Wall	a/r
7	3557264	Conn, Push, Elbow, 5/32 x 5/32	1
8	3556247	Hose, Nyl, Blu, 5/32 OD x 100 Ft	a/r
9	4088424	Plug, ECR Nipple	2
10	3557059	Label, Dual Valve	1
11	8551198	Hose, Polyureth, .12 x .06W, Blu	a/r
12	8507225	Conn, Push, Tee, 1/4 x 1/4	1
13	8506805	Hose, Vinyl, .38 x .12W, Blk/Wht	a/r
14	3557491	Fitting, Y, Nylon, 1/8 Hose	1
15	3557937	Shield, spalsh, ACR, Valve	1
16	1027275	TFSR, PNH, 55, 10-16 x 1/2	2
17	3557987	O-Ring, 0.156 x .062, BUNA-N	1
	4088545 ¹	n/s Cover, Air Injector/Detacher	1

Note:

1. This part is only available by ordering PN 3557262.

Cylinder Assembly, Air



ITEM	PART NO.	DESCRIPTION	QTY. REQ.
n/s=NOT SHOWN			
	3556145	Cylinder Assy, Air	-
1	3552171	Pipe, Mounting, w/Stop Lug	1
2	3552132	Cylinder, Air, 1.5 Bore x 18 Str	1
3	3552117	Bracket Assy, Pulley	1
4	3558960	Clevis Assy, Cylinder Air (Parts on page D-54)	1
5	3551872	Pulley, Sgl-Grv, 1.25	1
6	3552114	Pin, Drive, Model 2100	1
7	3554451	Conn, Swl, Elb, 5/32 OD x 1/8 NPT	2
7	3554174 ¹	Hose, Nyl, Red, 5/32 OD x 100Ft	a/r

8	3554440 ¹	Hose, Nyl, Grn, 5/32 OD x 100Ft	a/r
9	3552130	Chain, Twist-Link, SS, 50 In	1
	3557646 ¹	Chain, Twist-Link, SS, 50 In x .120	1
10	8508268	Link, Break-Away	1
	8516326 ¹	Link, Break-Away	1
11	3556991 ¹	Snap, Spring, SS, Looped	1
12	3556426 ¹	Stop, Chain	1

Note:

1. Items sold separately from cylinder assembly 3556145.

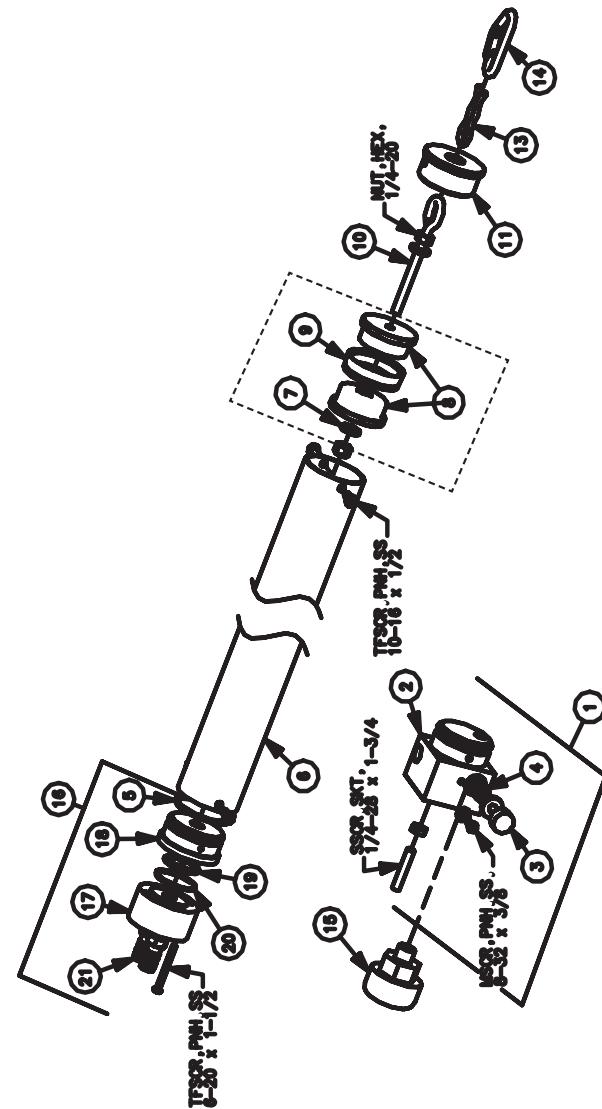
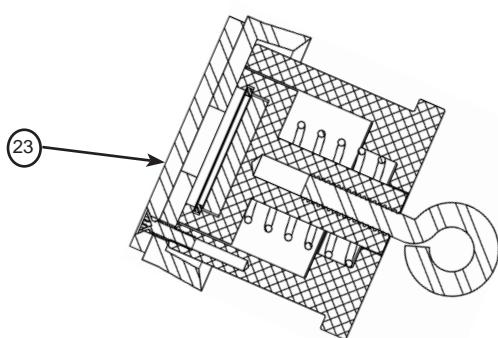
2" SS Cylinder Assembly, Vac

ITEM	PART NO.	DESCRIPTION	QTY REQUIRED
(n/s=NOT SHOWN)			
	3556144	Cylinder Assy, Vac, 2 In, SS	144
	3556997	⊗ Cylinder Assy, Vac, 2 In, SS W/O Valve	997
	3557261	Cylinder Assy, Vac, 2 In, SS W/O Top	261
1	3554888	Plug Assy, Top (Includes items 2 thru 4)	1 - -
2	3554616	Plug, Top	1 - -
3	3554617	Piston, Top Plug	1 - -
4	3554628	Spring, Compr, .466-.016 .69	1 - -
5	3553693	O-ring, 1.674 x .103, Buna	1 1 -
6	3553705	Cylinder, Vacuum, 2 In	1 1 1
7	3553726	Washer, Sealing	2 2 2
8	3553708	Piston, Section, Vac Cyl	2 2 2
9	3553692	Cup, Piston	1 1 1
10	3557216	⊗ n/s Cup, Piston, Special	1 1 1
10	3553709	Eyebolt, 1/4-20 x 4.00 x .50 x 2.75	1 1 1
11	3553706	Plug, Bottom	1 1 1
	8560742	⊗ n/s Cord, Braided, Nylon, 3/16 Dia	a/r a/r a/r
12	8580139	⊗ n/s Rope, AMSteel, 1/8	a/r a/r a/r
	8587717	Rope, Dyneema, 1/8" x 100'	a/r a/r a/r
13	8508268	⊗ Link, Break-Away	1 1 1
	8516326	Link, Break-Away	1 1 1
14	3556991	Snap, Spring, SS, Looped	1 1 1
15	3554618 ¹	Muffler, Filter, 1/4 NPT, Nylon	1 - -
16	3557038	⊗ Valve Assy, Check, 4200D / 4400D (includes items 5 & 17 thru 22)	- 1 -
17	3557035	⊗ Check Valve, Top	- 1 -
18	3557037	⊗ Check Valve, bottom	- 1 -
19	3557036	⊗ Diaphragm, Check Valve	- 1 -
20	3557040	⊗ O-ring, 1.239 x .070	- 1 -
21	3557039	⊗ Adapter, 3/8 Hose x 1/4 NPT	- 2 -
22	3557049	n/s Lubricant, Silicone Mold Rel	a/r a/r a/r
23	3561906 ²	Piston Assy,Vac,W/Quickstart	a/r a/r a/r

Note:

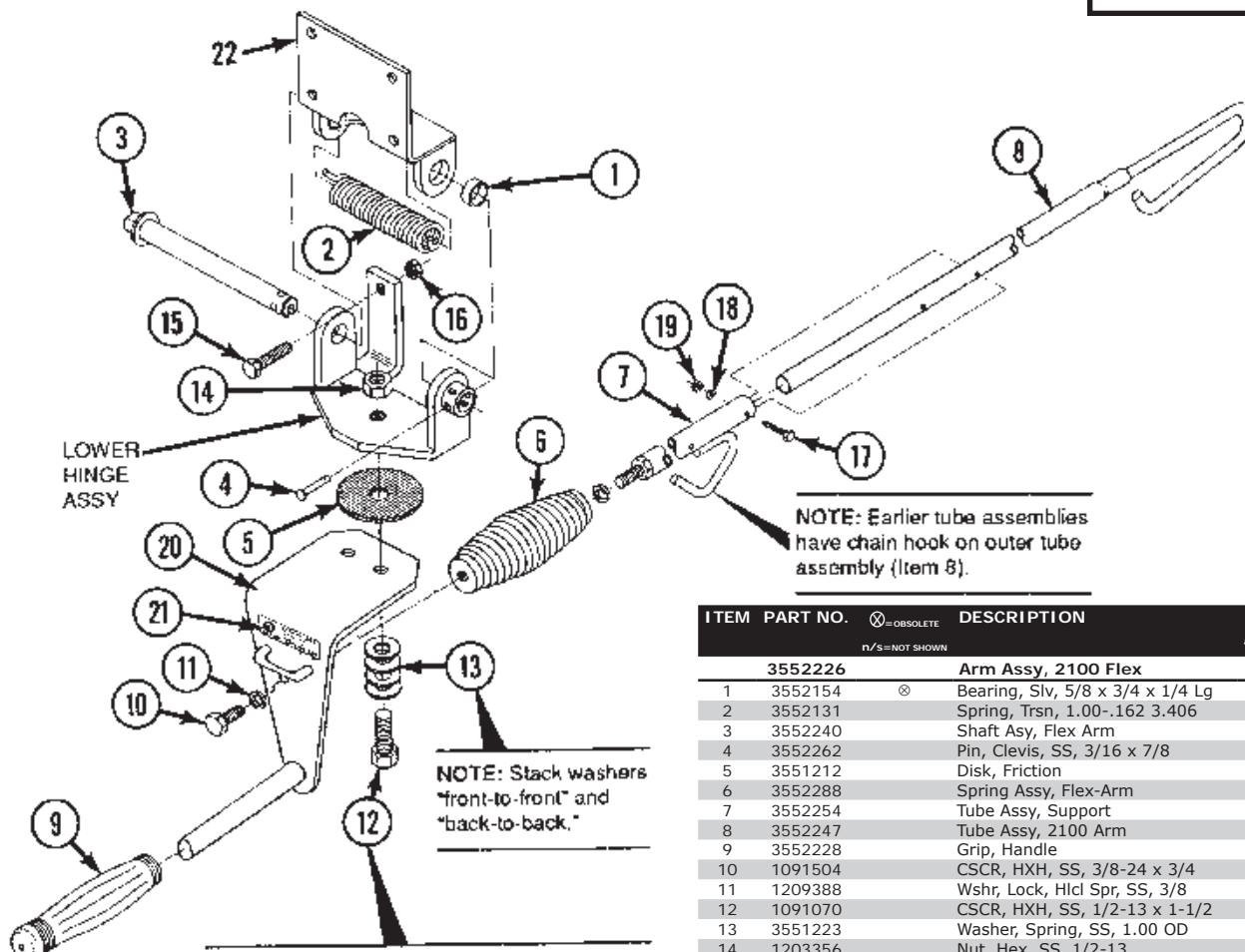
1. Filter muffler (3554618) order separate.

2. Piston Assembly replaces items 7, 8, and 9 in QuickStart.

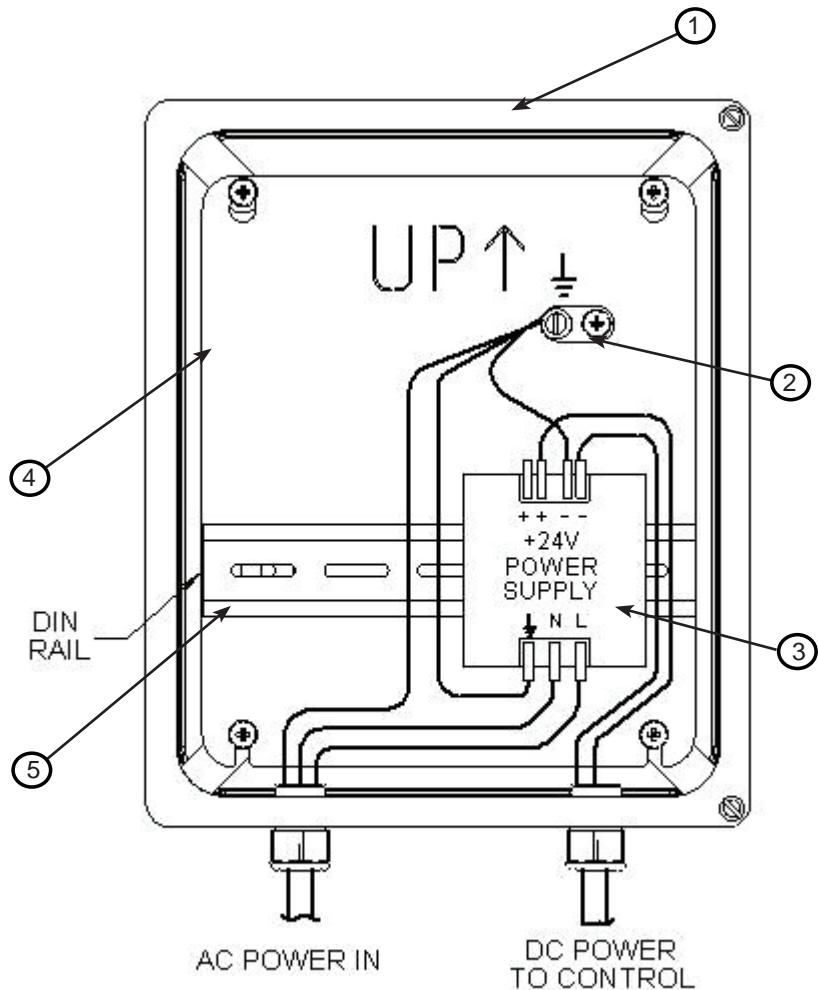
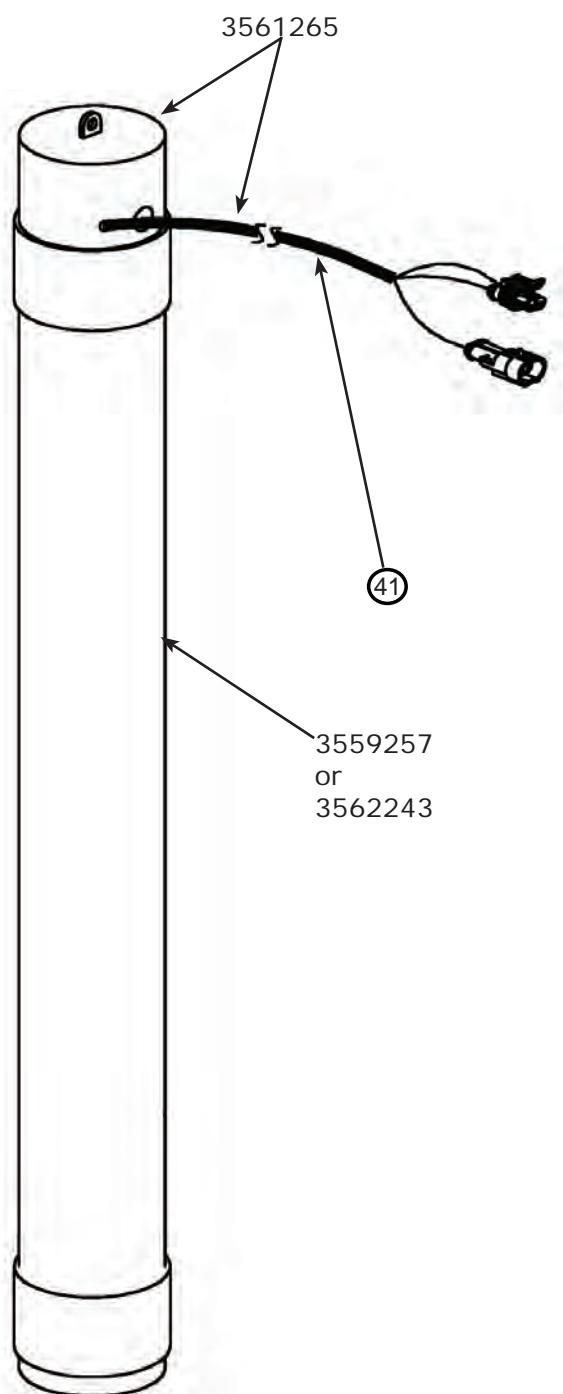


Flex-Arm Assembly

SECTION D	PAGE 125
EFFECTIVE: 2/1/98	



ITEM	PART NO.	⊗=OBSOLETE N/S=NOT SHOWN	DESCRIPTION	QTY. REQ. a/r=AS REQ.
	3552226		Arm Assy, 2100 Flex	-
1	3552154	⊗	Bearing, Slv, 5/8 x 3/4 x 1/4 Lg	2
2	3552131		Spring, Trsn, 1.00-.162 3.406	1
3	3552240		Shaft Asy, Flex Arm	1
4	3552262		Pin, Clevis, SS, 3/16 x 7/8	1
5	3551212		Disk, Friction	1
6	3552288		Spring Assy, Flex-Arm	1
7	3552254		Tube Assy, Support	1
8	3552247		Tube Assy, 2100 Arm	1
9	3552228		Grip, Handle	1
10	1091504		CSCR, HXH, SS, 3/8-24 x 3/4	1
11	1209388		Wshr, Lock, Hlcl Spr, SS, 3/8	2
12	1091070		CSCR, HXH, SS, 1/2-13 x 1-1/2	1
13	3551223		Washer, Spring, SS, 1.00 OD	4
14	1203356		Nut, Hex, SS, 1/2-13	1
15	1094031		MSCR, HXH, SS, 5/16-18 x 1-1/2	1
16	1203353		Nut, Hex, SS, 5/16-18	1
17	1002184		MSCR, RDH, SS, 8-32 x 7/8	2
18	1235383		Washer, Lock, Intl-T, SS, #8	4
19	1207378		Nut, Cap, SS, 8-32	2
20	3553698		Bracket, Assy, 2100 Arm	1
21	3552289	⊗	Label, Patent, Flex Arm	1
22	3552227		Bracket Assy, Hinge	1

Regulated Power Supply**QuickStart Cylinder**

ITEM	PART NO.	Ø=OBSOLETE n/s=NOT SHOWN	DESCRIPTION	QTY REQUIRED (a/r=AS REQUIRED)
---	3559221		MODULE,POWER SUPPLY,24V,ISO	---
1	3559022		ENCLOSURE,HINGED,10X8X6,NEMA4X	1
2	8513952		LUG,GROUND,14 TO 4 AWG	1
3	3557976		POWER SUPPLY,24VDC,4.0A,DIN	1
	3558765	n/s	POWER SUPPLY,12VDC,7.5A,DIN	Ref
4	3558681		PLATE,MTG,POWER SUPPLY	1
5	3558682		RAIL,DIN,7.50	1
6	8504733	n/s	LABEL,WARNING,ELECTRICAL	1

QuickStart Cylinder (Cont.)

SECTION D

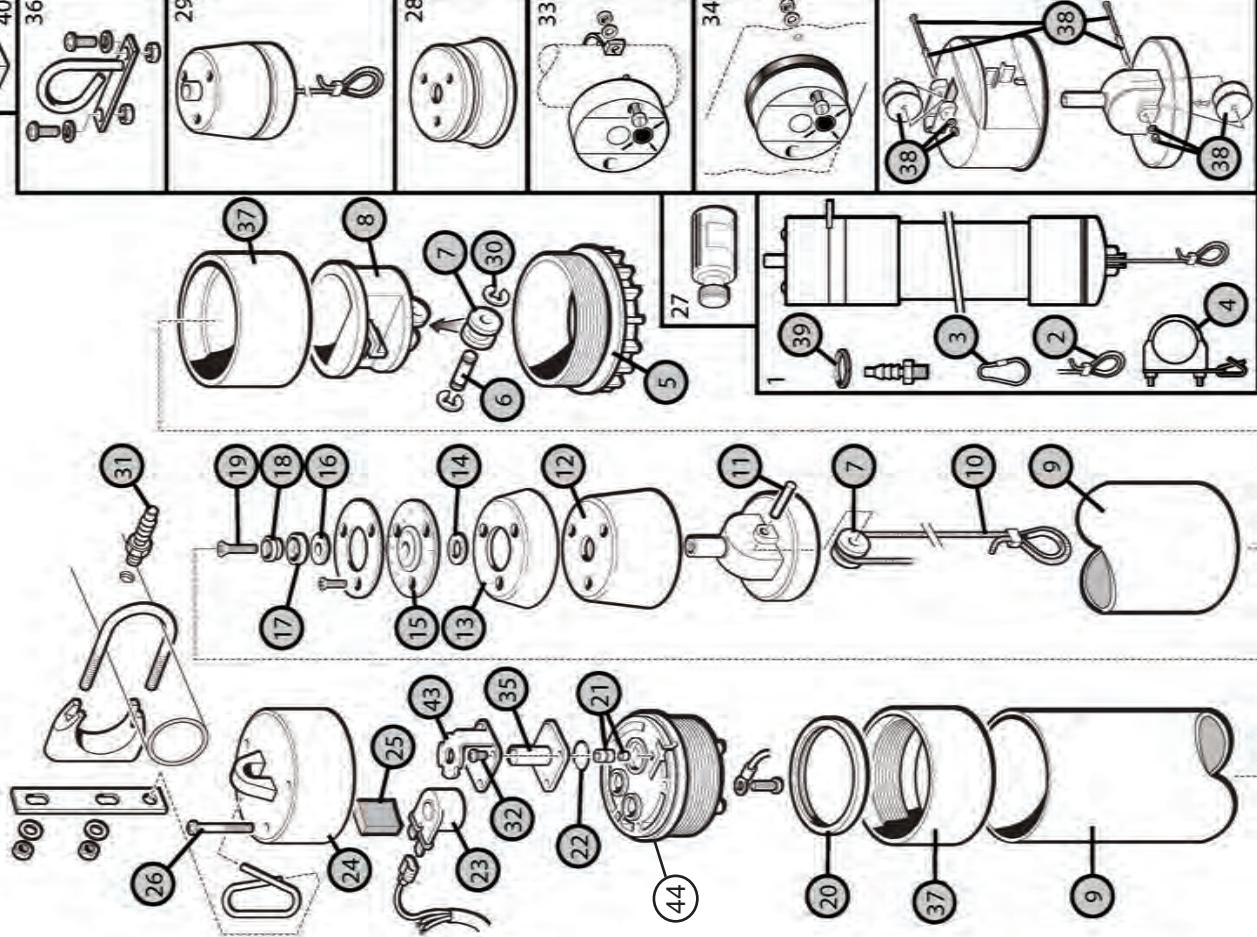
PAGE 127

EFFECTIVE:

7/12/19

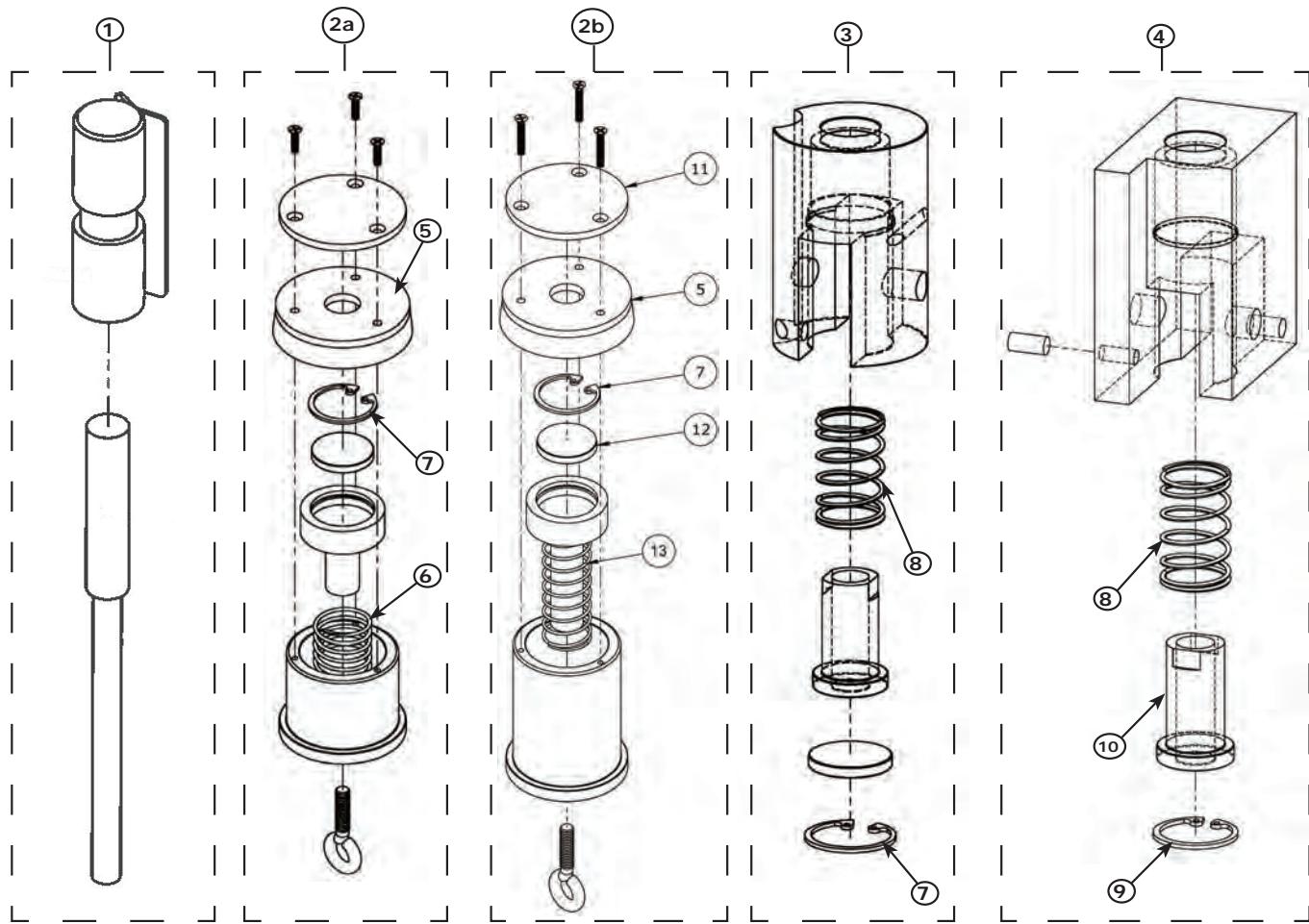
ITEM NO.	PART NO.	DESCRIPTION	QTY REQUIRED (a/r/as required)
1	3559257	CYLINDER ASSY,XPBBLU,3WIRE,24V	257
2	3561265	CYLINDER ASSY,XPSDC,2P,PLUG,24V	265
3	3562243	CYLINDER ASSY,XPBBLU,3WIRE,12V	243
4	3562409	CYLINDER ASSY,XPBBLU,4WIRE,24V	409
5	D255332	Carbine Hook Pack. (x5)	1
6	RBY	Carbine Hook Pack. (x5)	1
7	D255341	Ram Support Pack.Grey	1
8	D255676	Locking Ring	1
9	D385791	Pin. St. Steel (RBY next 4 components listed)	N/A
10	D200812	VIS INOX M3 X 35 DIN 7985 (Screw)	1
11	D204009	NUT M3 DIN985 A2	1
12	D204708	WASHER DIN125A M3 A2 Vis e7	1
13	D385847	n/s SLEEVE FOR PULLEY	1
14	D385789	Pulley	1
15	D385751	Cap. Lower	1
16	D385751	PIPE,75OD X 3W X 600L,PVC,BLUE	1
17	D205706	Cord Pack. (x1)	1
18	D385509	Pin. St. Steel 3 x 26	1
19	D385716	Cone	1
20	D310701	Cup Seal	1
21	D315059	Washer	1
22	D326716	Diaphragm	1
23	D326715	Contract Ring	1
24	D326711	Holding Boss	1
25	D382765	Screw Countersunk Pozidriv St. Steel 8B x 19	1
26	D382765	Seal	1
27	D255682	Shuttle and Seal Pack (x6)	1
28	D310701	O Ring	1
29	D326716	Coil, 24VDC (Solenoid needed for SmartDairy)	1
30	D326715	Solenoid (12VDC, Coil, EU QuickStart)	0
31	D202722	Cap. Upper	1
32	D202722	Filter	1
33	D359256	SCREW, PAN POZI ST. STEEL M4 x 45	1
34	D262513	Coil, 24VDC (Solenoid needed for SmartDairy)	1
35	D480185	Solenoid (12VDC, Coil, EU QuickStart)	0
36	D390666	Cap. Upper	1
37	D390666	Filter	1
38	D200789	SCREW, PAN POZI ST. STEEL M4 x 45	1
39	D200789	Adaptor, Straight 1/8" B.S.P.	1
40	D200789	Screw Pack (x24)	1
41	D201001	Piston Seal and Diaphragm Rack (x5)	1
42	D200789	Chimney Pack (x6)	1
43	D201001	Cord Guide Pack	1
44	D201001	Collar-threaded Ram, Isolator 3	1
	D240704	Pulley and Fixings Pack	1
	D240704	Spring ring	1
	D243703	Cord Guide Vertical Ram	1
	D362714	n/s CABLE FOR SMARTDAIRY DETACHER	0
	D362714	n/s CABLE ASSY, Q-START, 545, 10FT	0
	D243703	BRACKET, SOLENOID	0
	D243703	Bulkhead, ISO 3	1
	D385787	Note: 1. Failure to use the correct lubricant will cause premature failure of the piston cups. 2. Use non-petroleum based degreasers to clean the inside of the cylinder during service.	1

Cylinder Expanded View



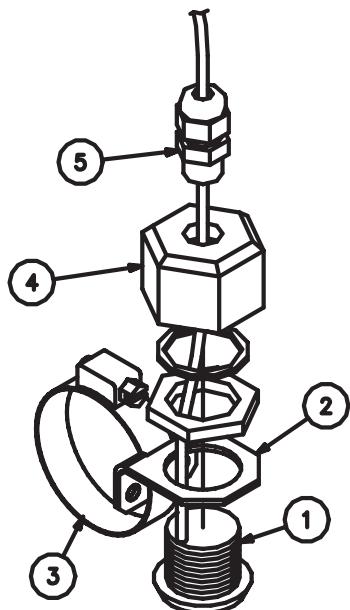
QuickStart Detacher Retrofit Kit

ITEM NO.	PART NO.	X=OBsolete n/s=NOT SHOWN	DESCRIPTION	QTY REQUIRED (a/r=AS REQUIRED)
QuickStart Detacher Retrofit Kit				
1	3560505		SENSOR ASSY,QS	a/r
2a	3561906	⊗	PISTON ASSY,VAC,W/QUICKSTART	a/r
2b	3562650		PISTON, Q/S, VAC, EXT 20MM	a/r
3	3560449	⊗	PISTON ASSY,QUICKSTART,AIR	a/r
4	3562135		PISTON ASSY,QUICKSTART,AIR	a/r
5	3560712		CUP,PACKING,1.875,QS	-
6	3561766		SPRING,QUICK START PISTON	-
7	3557539		RING,RETAINING,INTL,SS,.875	-
8	3561941		SPRING,COMPRESS.,718-.045 1.16	-
9	3562137		RING,RETAINING,INTL,SS,.812	-
10	3561939		PISTON,QS,AIR	-
11	3560713		PLATE, ROUND, 45X3, Q/S	-
12	3561940		MAGNET, DISK, Q/S, 7/8" X 1/8"	-
13	3562654		SPRING, QUICKSTART, 20MM	-



Remote/Attach Kit

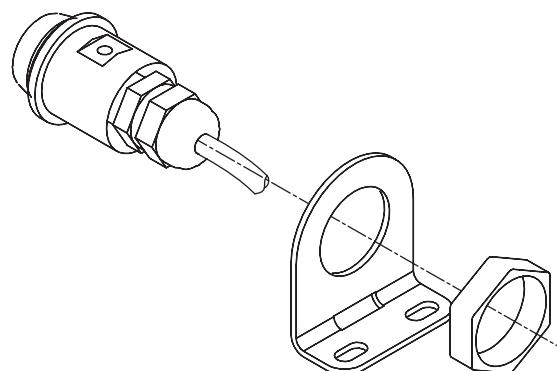
SECTION D	PAGE 129
EFFECTIVE: 1/30/09	



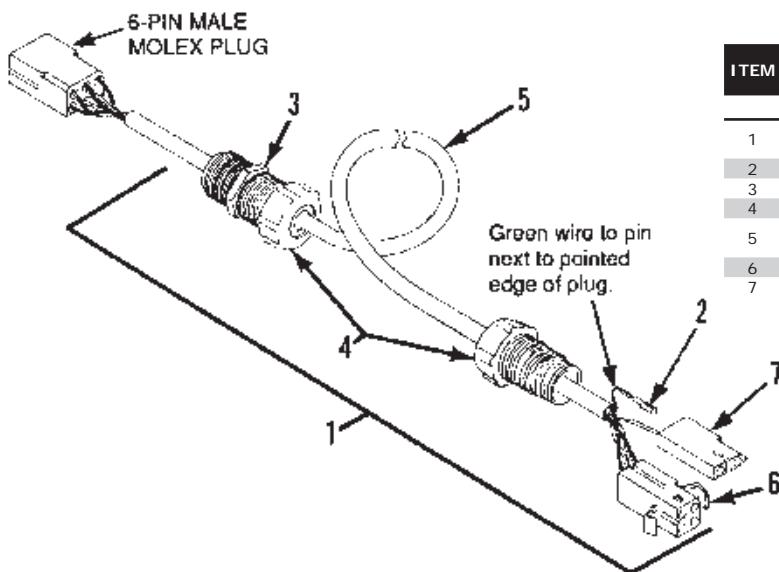
ITEM	PART NO.	<small>⊗=OBSOLETE n/s=NOT SHOWN</small>	DESCRIPTION	QTY REQUIRED (a/r=AS REQUIRED)
	3557119	⊗	Kit, Remote/Attach	-
1	3557120	⊗	Switch, Remote/Attach	1
2	3557121	⊗	Bracket, Mtg, Remote/Attach	1
3	8510201		Clamp, Hose, SS, #28, 1.31-2.25	1
4	3557488	⊗	Nut, Remote Attach	1
5	3557373	⊗	Conn, Str-Rlf, .11-.25. DIN PG7 Literature 9ES-791 (Installation Instructions)	1 ref
6	-----			

ITEM	PART NO.	DESCRIPTION	QTY REQUIRED (a/r=AS REQUIRED)
	3558032	Kit, Remote/Attach	-

NOTE:
Remote switch has no serviceable items.

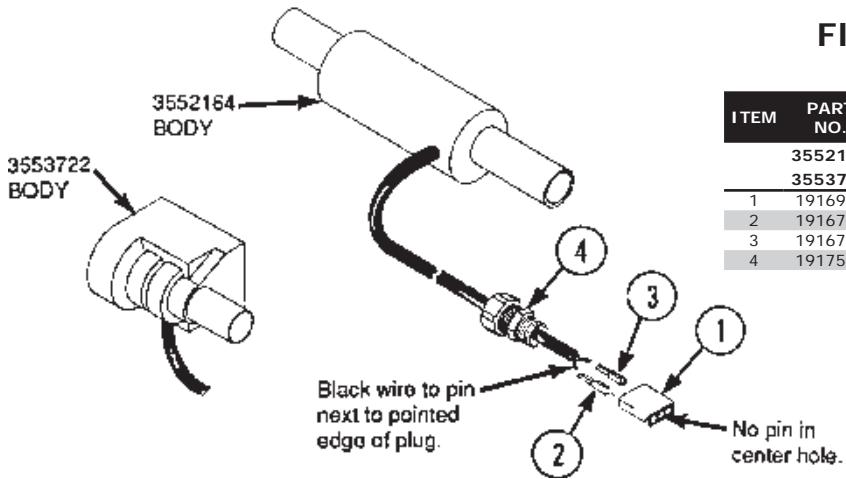


Milk-Meter Cable Assembly



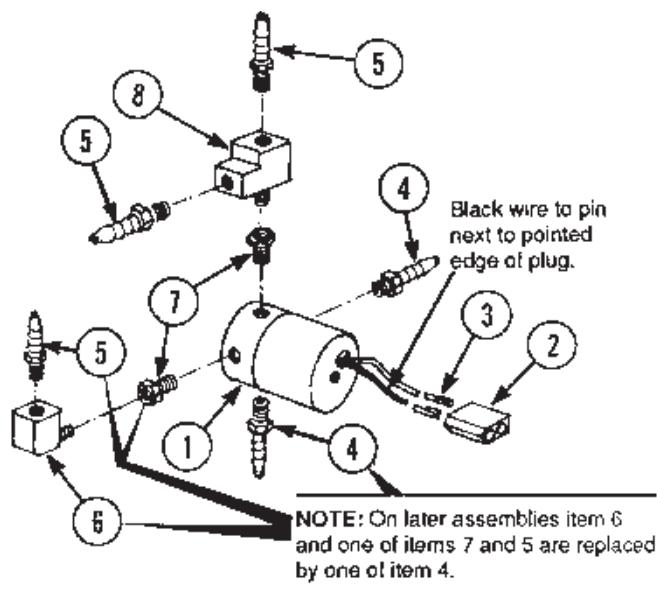
ITEM	PART NO.	DESCRIPTION	QTY. REQ. a/r=AS REQ.
3552550		Cable Assy, M/M, Pre-greased	-
1	3554438	Cable Assy, Milk Meter (Includes items 2 thru 7)	1
2	1916730	Conn, Pin, .093, F, 18-22, .06/.12	12
3	8513814	Nut, Lock, Conduit, 1/2 NPT	1
4	1917532	Conn, Str-Rlf, .27-.46, 1/2 NPT	2
5	3553194	Cable, 6-Cond, 22 Ga (Part No. represents 1 ft.)	a/r
6	1916905	Connector, Recept, FH, 4-Pin	1
7	1916902	Connector, Recept, FH, 2-Pin	1

Flow Sensor Assemblies



ITEM	PART NO.	DESCRIPTION	QTY. REQ. a/r=AS REQ.
3552164	⊗	Sensor Assy, Full-Flow	-
3553722		Sensor Assy, Flow	-
1	1916903	Connector, Recept, FH, 3-Pin	1
2	1916701	Conn, Pin, .093, M, 18-22, .06/.12	1
3	1916730	⊗ Conn, Pin, .093, F, 18-22, .06/.12	1
4	1917532	Conn, Str-Rlf, .27-.46, 1/2 NPT	1

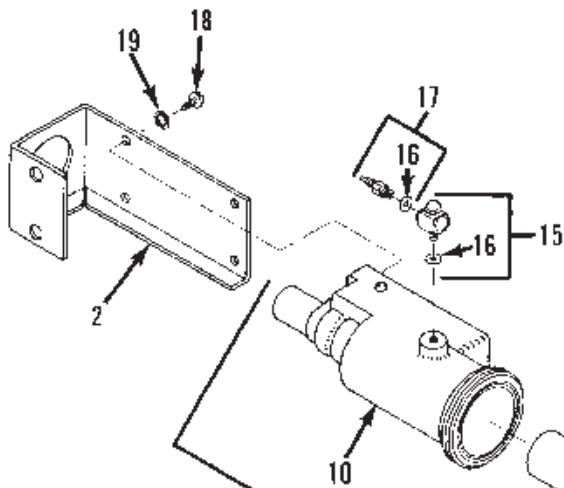
M2100 Solenoid Valve Assembly



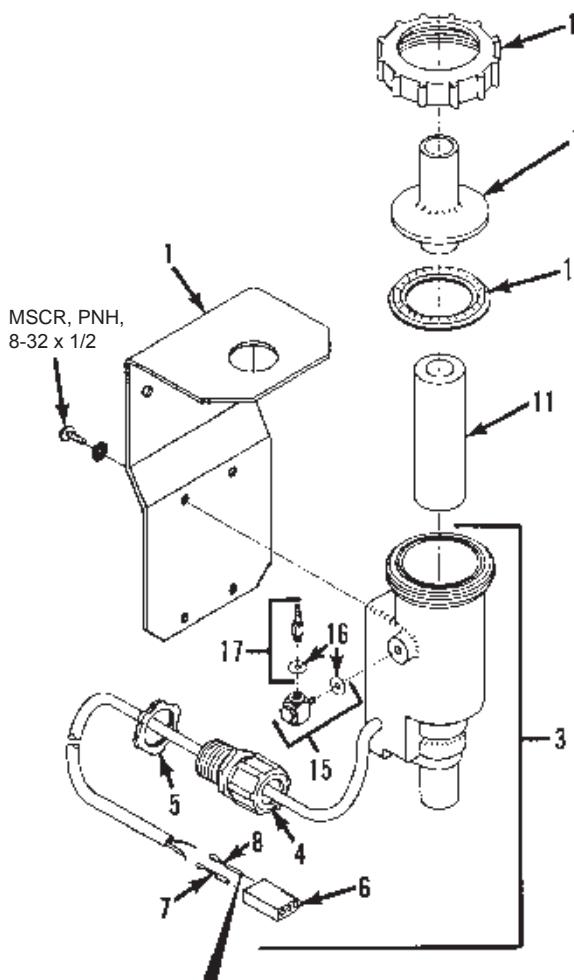
ITEM	PART NO.	DESCRIPTION	QTY. REQ. a/r=AS REQ.
3552153		Valve Assy, Solenoid, M2100	-
1	3552112	Valve, Solenoid, Model 2100	1
	3555933	Valve, Solenoid, 24 VDC	1
2	1916902	Connector, Recept, FH, 2-Pin	1
3	1916730	⊗ Conn, Pin, .093, F, 18-22, .06/.12	2
4	3551908	Adapter, 1/8 Hose x 1/4 NPT	2
5	8551082	Adapter, 1/8 Hose x 1/8 NPT	3
6	3551825	Elbow, Street, 90 Deg, Brs, 1/8	1
7	3551711	Bushing, Hex, Brs, 1/4 x 1/8	2
8	3551712	Tee, Brs, Street, 1/8 NPT	1

Milk-Valve & Shutoff-Valve Assembly

SECTION D	PAGE 131
EFFECTIVE: 10/15/04	



Sensor-Valve Assembly



Black wire to male pin next to sharp edge of plug.

ITEM	PART NO.	DESCRIPTION	QTY REQUIRED
		⊗ = OBSOLETE n/s = NOT SHOWN	(a/r=AS REQUIRED)
3552098	⊗	Valve Assy, Sensor, w/Mtg Brkt	098
3552682		Valve Assy, Milk	682
3553880		Valve Assy, Sensor	880
3554447		Valve Assy, Sensor, w/Mtg Brkt	447
1	3553127	Bracket, Sensor Valve	1 - - 1
2	3552298	Bracket, Milk-Valve	- 1 - -
3	3552686 ¹ ⊗	Body Assy, Sensor Valve (Includes cord & items 4 thru 8 and item 14, 3553863) Conn, Str-Rlf, .27-.46, 1/2 NPT	1 - 1 1
4	1917532	Nut, Lock, Conduit, 1/2 NPT	1 - - 1
5	8513814	Connector, Recept, FH, 3-Pin	1 - - 1
6	1916903	Conn, Pin, .093, F, 18-22, .06/.12	1 - - 1
7	1916719	Conn, Pin, .093, M, 18-22, .06/.12	1 - - 1
8	1916701	Valve Assy, Shutoff	1 - - 1
9	3553303	(Includes items 10 thru 14)	- 1 - -
10	3553866	Body, Valve	- 1 - -
11	3552090	Body, Sensor Valve	- 1 - 1
12	3552092	Hose, Rbr, .62 x 3.25	1 1 1 1
13	8507905	Gasket, Tri-Clamp, 1.5 In	1 1 1 1
14	3552091 ² ⊗	Cap, Sensor Valve	1 1 1 1
15	3553863	Nut, Sensor Valve	1 1 1 1
16	3552099	Elbow, Brs, Adjustable, 10-32 (Includes 1 of item 16)	1 1 1 -
17	8551087 ⊗	Gasket, Rbr, .125 ID, Pk of 25 (*Number of parts, not packs)	2 2 2 -
18	8551086	Adapter, 1/8 Hose x 10-32, w/Gskt (Includes 1 of item 16)	1 1 1 -
	3554424 n/s	Conn, Swl, Elb, 5/32 OD x 10-32 (Replaces items 15, 16 & 17, for use with nylon tubes)	1 - 1 1

Note:

- When ordering 3552686, Body Assembly for replacement on 3554447 Sensor Valve Assembly, items 6, 7 & 8 (connectors) need to be removed.
- Earlier blue Nut 3552091 will not fit on later clear body assembly. Nut 3553863 will fit all body assemblies.

Sensor/Shutoff Valve Assemblies

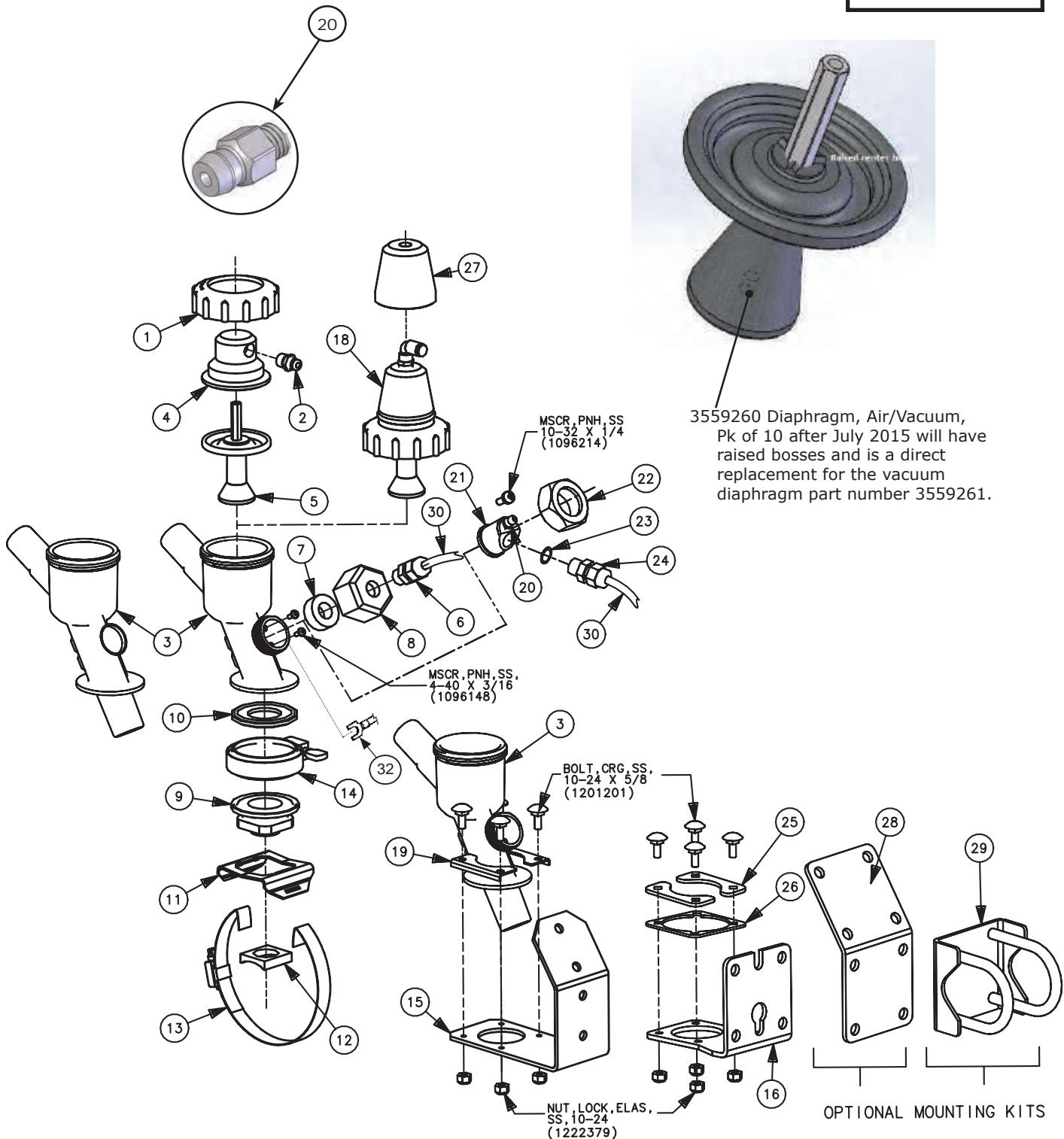
ITEM	PART NO.	DESCRIPTION	QTY REQUIRED (a/r=AS REQUIRED)											
			QTY REQUIRED (a/r=AS REQUIRED)											
		⊗ =OBSOLETE n/s=NOT SHOWN												
	3557073	Sensor Assy, Triclamp, Vac	073											
	3557208	Sensor Assy, w/Nipple, Vac		208										
	3557541	Sensor Assy, Triclamp, Air			541									
	3557542	Sensor Assy, w/Nipple, Air				542								
	3558010	Sensor Assy, Triclamp, Vac					010							
	3558013	Sensor Assy, w/Nipple, Vac						013						
	3558012	Sensor Assy, Tricclamp, Air							012					
	3558011	Sensor Assy, w/Nipple, Air								011				
	3558326	Shutoff Assy, Triclamp, Vac									326			
	3558118	Shutoff Assy, w/Nipple, Vac										118		
	3558327	Shutoff Assy, Tricclamp, Air										327		
	3558117	Shutoff Assy, w/Nipple, Air										117		
1	3553863	Nut, Sensor Valve	1	1	-	-	1	1	-	-	1	1	-	-
2	3554159	Conn, Push, 5/32 x 1/8 NPT	1	1	-	-	1	1	-	-	1	1	-	-
	3557044	Sensor, Flow/Shutoff, W/O Nipple	1	-	1	-	1	-	1	-	-	-	-	-
3	3557043	Sensor, Flow/Shutoff, W/ Nipple	-	1	-	1	-	1	-	1	-	-	-	-
	3558278	Body, Shutoff, w/Nip, w/o Rings, Mod	-	-	-	-	-	-	-	-	1	-	1	
	3558329	Body, Shutoff, Triclamp, w/o Rings, Mod	-	-	-	-	-	-	1	-	1	-		
4	3557074	Cap, Diaphragm	1	1	-	-	1	1	-	-	1	1	-	-
	3559261	Diaphragm, Vacuum, Pk of 10	1	1	-	-	-	-	-	-	1	1	-	-
5	3559260	Diaphragm, Air/Vac, Pk of 10	or 1	or 1	1	1	1	1	1	1	or 1	or 1	1	1
	8594434	Diaphragm, Air/Vac Heavy Duty	a/r	a/r	a/r	a/r	a/r	a/r	a/r	a/r	a/r	a/r	a/r	a/r
6	1917500	Conn,Str-Rif, .11-.25,PG7	1	1	1	1	-	-	-	-	-	-	-	-
7	3557372	Sleeve, Rbr, .50 ID x 1.00 x 3/8	1	1	1	1	-	-	-	-	-	-	-	-
8	3557222	Nut, Compression, Sensor	1	1	1	1	-	-	-	-	-	-	-	-
9	3557153	Mount, Sensor	1	-	1	-	1	-	1	-	1	-	1	-
10	3557156	Gasket, Triclamp, 1.00	1	-	1	-	1	-	1	-	1	-	1	-
11	3557237	Bracket, Mount, Sensor	1	-	1	-	1	-	1	-	1	-	1	-
12	3557375	Gasket, .843 ID (For 3" milkline)	1	-	1	-	1	-	1	-	1	-	1	-
	8504010	Gasket, 3/4 Hole (For 2" or 2-1/2" milkline)	1	-	1	-	1	-	1	-	1	-	1	-
13	8500857	Clamp, SS, Valve Assy, 1.5 x 4	1	-	1	-	1	-	1	-	1	-	1	-
14	8507932	Clamp, Band, SS, 1-1/2	1	-	1	-	1	-	1	-	1	-	1	-
15	3557238	Bracket, Mtg, Sensor, W/Nipple	1	-	1	-	1	-	1	-	1	-	1	-
16	3558401	Bracket, Mtg, Sensor, W/Nipple	-	-	-	-	-	1	-	1	-	1	-	1
17	3558018	Lubricant, Cartridge, 14 Oz (1 Cartridge per 12 sensors)	a/r	a/r	a/r	a/r	a/r	a/r	a/r	a/r	-	-	-	-
18	3557543	Actuator Assy, Air, Shutoff (Parts on Page D-134)	-	-	1	1	-	-	1	1	-	-	1	1
19	3557417	Bracket, Mtg, Sensor	-	2	-	2	-	2	-	2	-	2	-	2
20	3558019	Fitting, Grease, 10-32	-	-	-	-	-	-	-	-	-	-	-	-
	3562545	Fitting, Grease, 10-32	-	-	-	-	-	-	-	-	-	-	-	-
21	3558017	Adapter, Sensor	-	-	-	-	1	1	1	1	-	-	-	-
22	3558016	Nut, Sensor	-	-	-	-	1	-	1	-	-	-	-	-
23	3557816	O-Ring, .390 x .060, BUNA-N	-	-	-	-	1	1	1	1	-	-	-	-
24	1917500	Conn, STR-RLF, .11-.25, PG7	-	-	-	-	1	1	1	1	-	-	-	-
25	3558399	Bracket, Mtg, Sensor	-	-	-	-	-	2	-	2	-	2	-	2
26	3558400	Spacer, Mtg, Sensor w/Nipple	-	-	-	-	1	-	1	-	1	-	1	-
27	35581031	Boot, Adapter, Air	-	-	-	-	-	-	-	-	-	-	-	-
28	3558404	Kit, Sensor, Sloped Curb	-	-	-	-	a/r	a/r	a/r	a/r	a/r	a/r	a/r	a/r
29	3558405	Kit, Sensor, Pipe Mount	-	-	-	-	a/r	a/r	a/r	a/r	a/r	a/r	a/r	a/r
30	1997529	Cable, 2-Cond, 20GA, 328 ft.	-	-	-	-	-	-	-	-	-	-	-	-
	1997530	Cable, 2-Cond, 20GA, 1000 ft.	-	-	-	-	-	-	-	-	-	-	-	-
31	3558182	n/s Kit, Sensor, Adapter/Nut Update (Includes items 20 thru 24 & hardware)	a/r	a/r	a/r	a/r	a/r	a/r	a/r	a/r	-	-	-	-
32	3557566	Term, Spade, SPR, 22-16 AWG, No 4	2	2	2	2	2	2	2	2	-	-	-	-
33	-----	Literature 9E-809	ref	ref	ref	ref	ref	ref	ref	ref	-	-	-	-

NOTE:

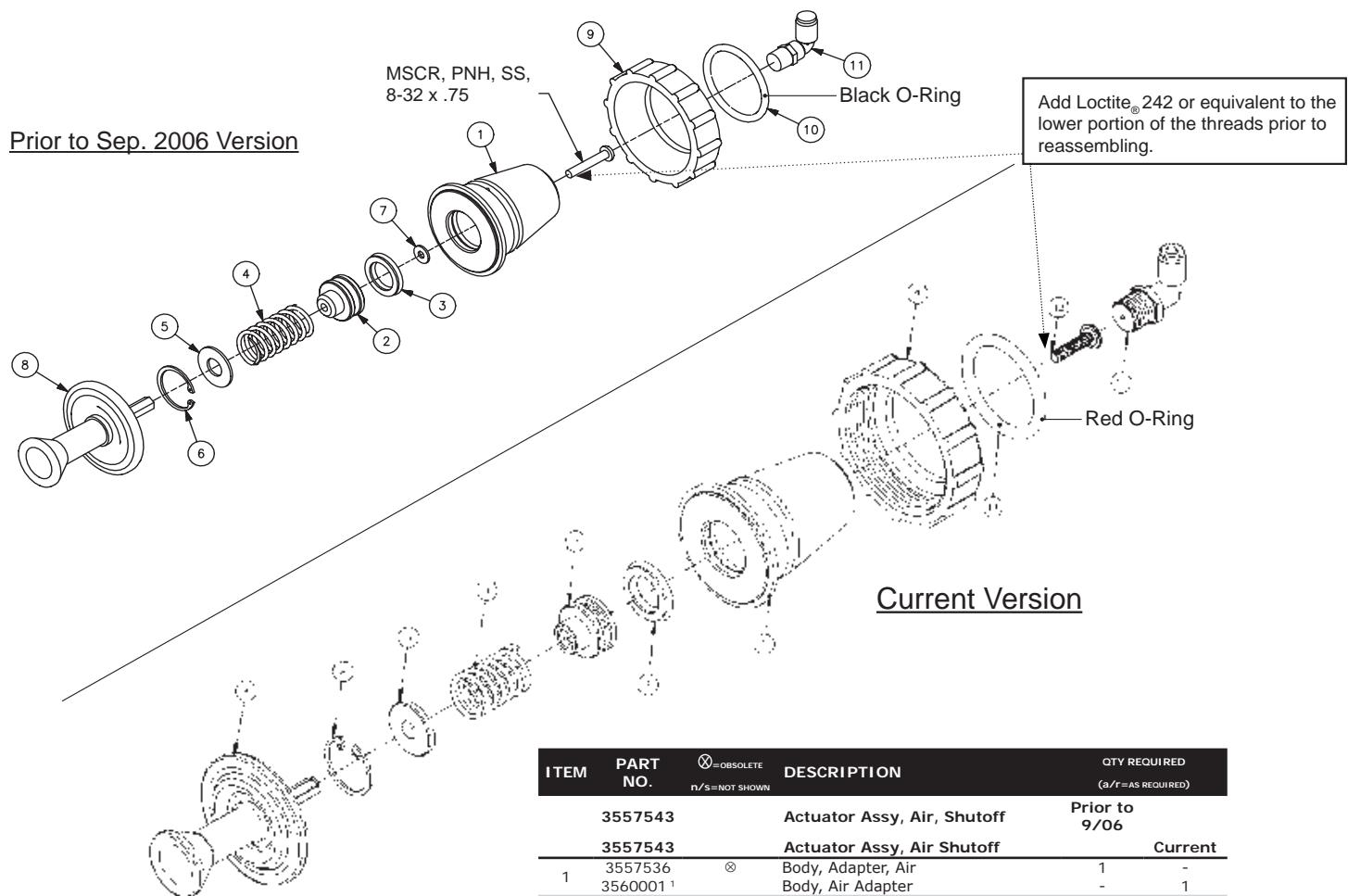
1. Adapter Boot (3558103) order separate.
2. Diaphragm, Air/Vacuum, Pk of 10 (3559260) after July 2015 will have raised bosses and is a direct replacement for the vacuum diaphragm (3559261). Before July 2015, Vacuum diaphragm (3559261) can ONLY be used on vacuum actuated valves. Air diaphragm (3559260) can be used on either air or vacuum actuated valves.

Sensor/Shutoff Valve Assemblies

SECTION D	PAGE 133
EFFECTIVE: 3/17/16	



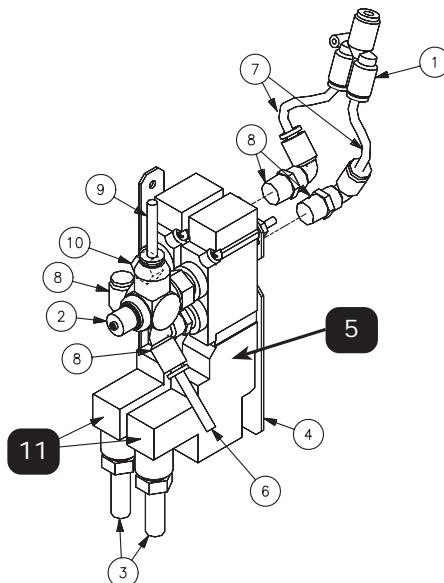
Air Actuator Assembly, Shutoff



ITEM	PART NO. <small>n/s=NOT SHOWN</small>	DESCRIPTION	QTY REQUIRED (a/r=AS REQUIRED)	
			Prior to 9/06	Current
	3557543	Actuator Assy, Air, Shutoff		
1	3557536	Body, Adapter, Air	1	-
	3560001 ¹	Body, Air Adapter	-	1
2	3557537	Piston, Adapter, Air	1	-
	3560002	Piston, Adapter, Air	-	1
3	8515635	U-Cup, Packing, 5/8 ID x 7/8 OD	1	1
4	3557538	Spring, Compr., .720 - .080 1.50	1	1
5	1208388	Washer, Plin, SS, 3/8	1	-
	3560003	Spacer, Spring, Air	-	1
6	3557539	Ring, Retaining, SS Intl, .875	1	1
7	3557575	Washer, Sealing, Pressure, #8	1	-
8	3559260	Diaphragm, Air, Plc of 10	1	1
9	3553863	Nut, Sensor, Valve	1	1
10	3557540	O-Ring, 1.421 x .139, Nitrile	1	-
	3560004	O-Ring, 4.5MM x 34MM, Silicone	-	1
11	3554451	Conn, Swl, Elb, 5/32 OD x 1/8 NPT	1	-
	8507015	Conn, Swl, Elb, 5/32 x 1/4 NPT	-	1
12	3560005	Seal Screw, 8-32, .75 PHHD	-	1
13	-----	Lit. 9E-809	ref.	ref.

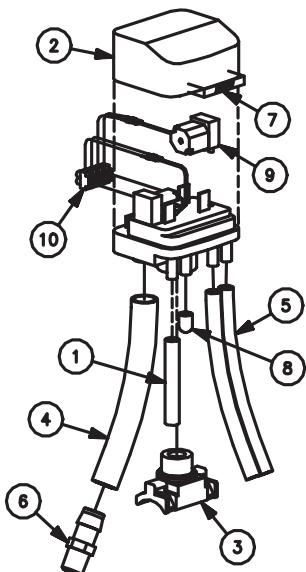
Note:

1. When replacing the earlier adapter body (3557536) the 1/4" NPT connector swivel (8507015) is required.



Dual Air Valve Assembly

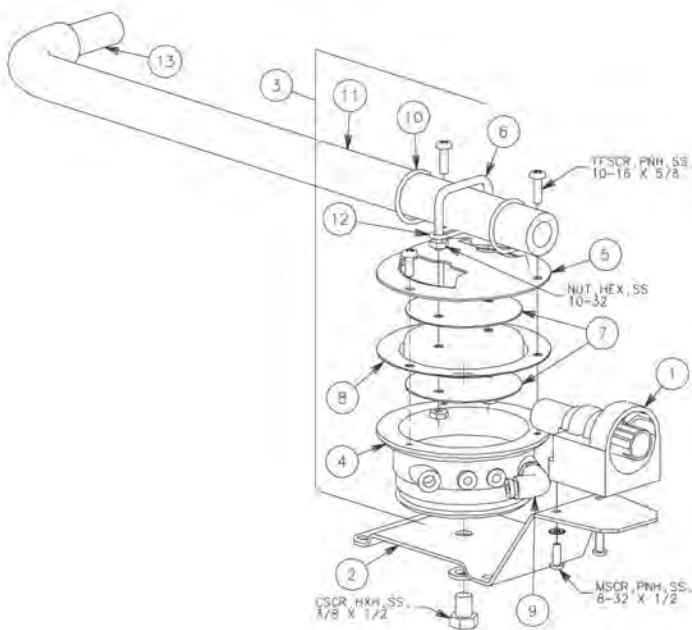
ITEM	PART NO.	<small>⊗=OBSOLETE N/S=NOT SHOWN</small>	DESCRIPTION	QTY. REQ. a/r=AS REQ.
			Valve Assy, Dual, Air	
1	8507088		Conn, Push, Union 5/32	1
2	3554444		Valve Control, Flow, 1/8 NPT	1
3	3557112		Hose, Silicone, .093 x .06	a/r
4	3557423		Bracket, Mtg, Valve w/Tabs	1
5	3557108	⊗	Valve, 4-way, Air, Low Power	2
	3559301		Valve, 4-way, Air, Low Power	2
6	3554440		Hose, Nyl, Green, 5/32 OD x 100ft	a/r
7	3554439		Hose, Nyl, Black, 5/32 OD x 100ft	a/r
8	3554451		Conn, Swl, Elb, 5/32 OD x 1/8 NPT	4
9	3554174		Hose, Nyl, Red, 5/32 OD x 100ft	a/r
10	1431240		Plug, Hex HD, Brass, 1/82	1
11	8503751		Connector, Din, Solenoid	1



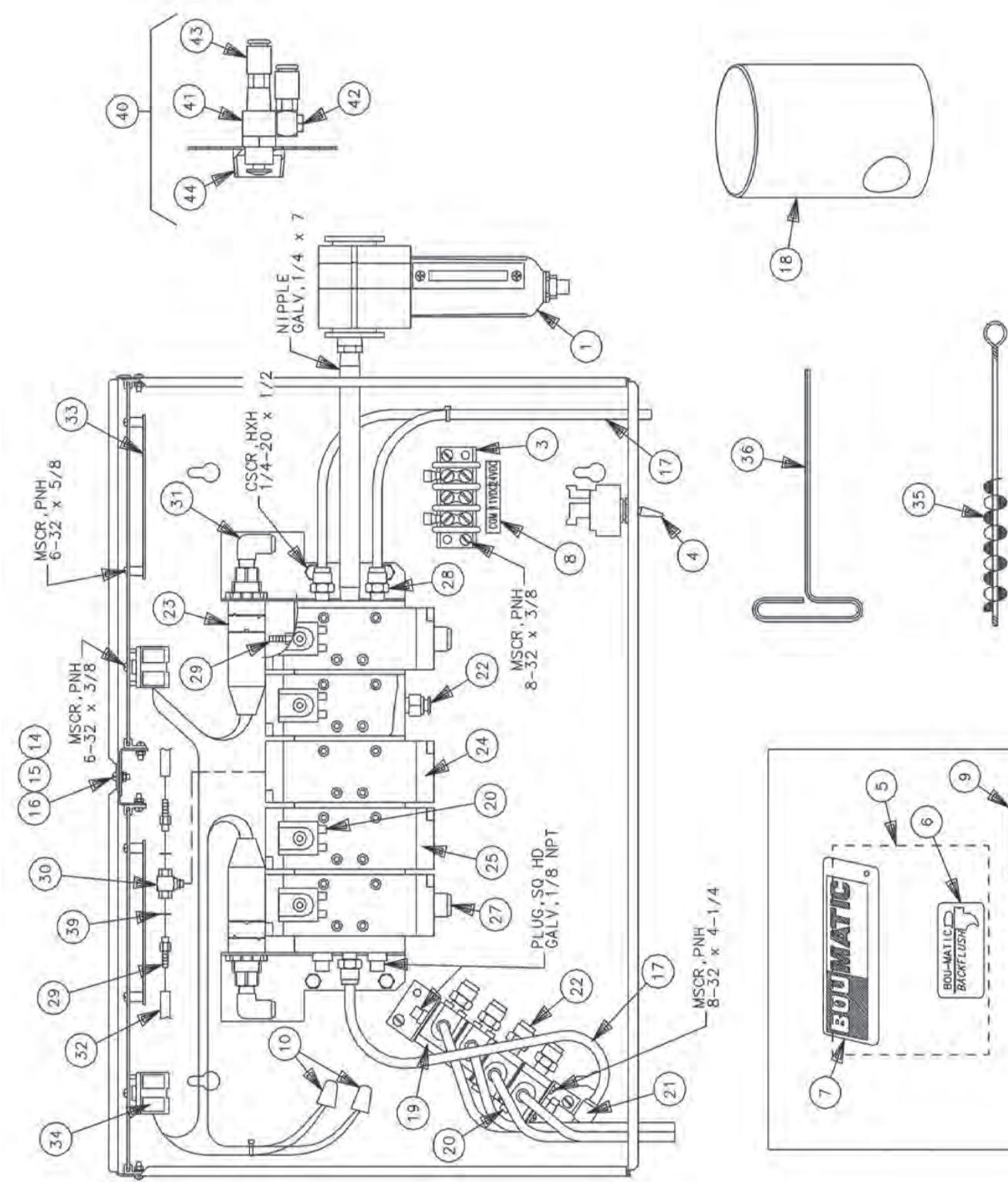
Detacher Dual Valve Assembly

ITEM	PART NO.	<small>⊗=OBSOLETE N/S=NOT SHOWN</small>	DESCRIPTION	QTY. REQ. a/r=AS REQ.
			Valve Assy, Dual, Detacher	
1	8506904		Hose, Vinyl, .25 x .125W, Blk	a/r
2	4088270	⊗	Valve, Ram, Vacuum Transfer	1
3	4088105	⊗	Adapter, Pulsator, Waikato	1
4	4088095	⊗	Conduit, Flexible, 25 mm	a/r
5	8518021		Hose, Twin Plstc, .28 x 100 ft	a/r
6	3557060	⊗	Adapter, 3/4 Hose x 1/2 NPT	1
7	3557059		Label, Dual Valve	1
8	3557058	⊗	Plug, Ext, Plstc .31	1
9	3557052		Valve Assy, Solenoid	2
10	1917657		Connector, Term Strip, 4-pos	1

Pinchoff Sensor/Shutoff Assembly



ITEM	PART NO.	<small>⊗=OBSOLETE N/S=NOT SHOWN</small>	DESCRIPTION	QTY. REQ. a/r=AS REQ.
			Sensor/Shutoff Assy, Pinchoff	
1	3553722		Sensor Assy, Pinchoff	1
2	3557006	⊗	Bracket, Mtg, Pinchoff	1
3	3557005	⊗	Valve Assy, Pinchoff (Includes Items 4 thru 13)	1
4	3556707		Valve, Bottom, Pinchoff	1
5	3556607		Top, Pinchoff	1
6	3557698		Bar, Diaphragm	1
7	3556614		Retainer, Diaphragm	2
8	3555617		Diaphragm, 1000V, Molded	1
9	3554085		Conn, Swl, Elb, 1/4 OD x 1/8 NPT	1
10	3556704		Guide, Hose, Pinchoff	2
11	3555470		Hose, Rbr, .62 x 18.00, Frmd	1
12	3556712		Loop, Pinchoff	1
13	3553772		Tube, SS, .75 x .049 x 2.50	1

Control Assembly Group Backflush

COVER LABELING
DETAIL

Control Assembly Group Backflush

SECTION D	PAGE 137
EFFECTIVE: 2/18/20	

ITEM	PART NO.	QTY. n/s=NOT SHOWN	DESCRIPTION	QTY. REQ. a/r=AS REQ.
	3554044	⊗	Control Assy, Group B/F	-
1	3557400		Filter, Air w/Auto Drain, 3/8 NPT (Includes item 2)	1
2	3557401	⊗ n/s	Kit, Repair, Filter, Air, 40 Micron	1
3	4079114	⊗	Block, Terminal, 3-Position	1
4	8516824		Switch, Toggle, DPST, On-Off, VDE	1
5	3554129	⊗	Label, Wiring Diag	1
6	3553299	⊗	Label, Bou-Matic/Backflush	1
7	8506167		Label, Bou-Matic, 3.00 x 10.00	1
8	3552049	⊗	Label, Power	1
9	3554164	⊗	Label, Caution, On-Off	1
10	3553423	⊗	Conn, Wire, 18-14 AWG, PKG 100 (No. reqd represents number of parts not packages of 100)	2
	3551863 ³	⊗ n/s	Nut, Speed, #10 (Use ONLY with item 12 [1027275])	2
11	1223380 ³	⊗	Nut, Hex, Flange, Lck, 10-32, ZP0 (Use ONLY with item 12 [1096216])	2
12	1027275 ³	n/s	TFSCR, PNH, SS, 10-16 x 1/2 AB MSCR, PNH, SS, 10-32 x 3/8	2
13	1024179 ⁴	n/s	TCSLR, PNH, SS, 8-32 x 3/8 F	6
14	1096163		MSCR, PNH, SS, 6-32 x 3/8	6
15	1209382		Wshr, Lock, Hlcl Spr, SS, #6	6
16	1204377		Nut, Hex, MSCR, SS, 6-32	6
17	8519183	⊗	Tube, Nylon, .25 x .035 (Part No. represents 1 foot)	a/r
	3560897		Hose, Nylon, Natural, 1/4 OD	a/r
18	3554216	⊗ n/s	Valve, Diaph, Air, Oprd, 1 NPT (See items 45 thru 47 for service parts)	2
	3554773		Valve, Chem, Air Oprd, 1 NPT (See items 48 and 49 for service parts)	2
19	3554066		Valve, Sol, N/C, 1/8 NPT, 24 DC (Includes 1 of item 20)	4
20	3554184	⊗	Coil, Solenoid-Valve, 24V	8
21	3554085		Conn, Swl, Elb, 1/4 OD x 1/8 NPT	1
22	3554159		Conn, Push, 5/32 OD x 1/8 NPT	10
23	3555741		Switch, Pneumatic	2
24	8517248		Valve, 4-Way, Pilot, 1/4 NPT	1
25	3556376		Valve, Sol, 4-Way, 1/4 NPT, 24 DC (Includes 1 of item 20)	4
			Kit, Rebuild, 4-Way Valve, 24V Includes the following:	a/r
			1 Gasket, "A" Side Flow	
			1 Gasket, "B" Side Flow	
			2 U-Cup, Piston	
			2 Piston	
			2 Retaining Ring	
26	3554183	⊗ n/s	2 Support	
			6 Seal	
			4 Cage	
			1 Pressure Cage	
			1 Spool	
			1 Gasket, Sub-Base	
			3 Gasket, Port	
			1 Instructions	

Note:

1. Use only for service on old style Valve 3554216.

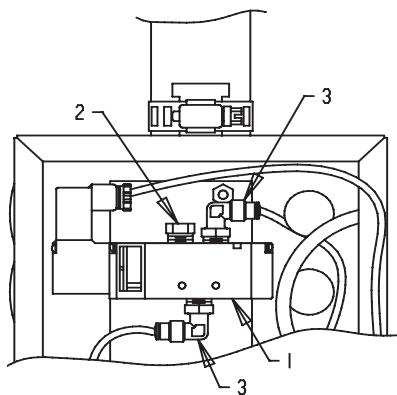
2. Use only for service on new style Valve 3554773.

3. Used to fasten wrapper to backplate

4. Used to fasten cover to wrapper.

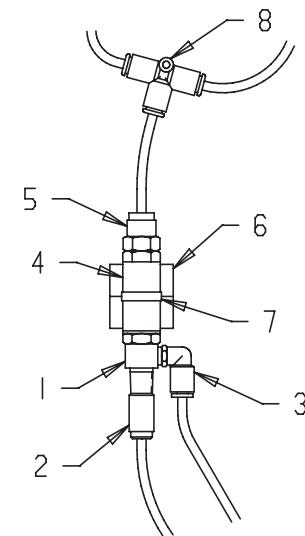
5. Not supplied with Control Assembly.

Milk Sweep Valve Kit



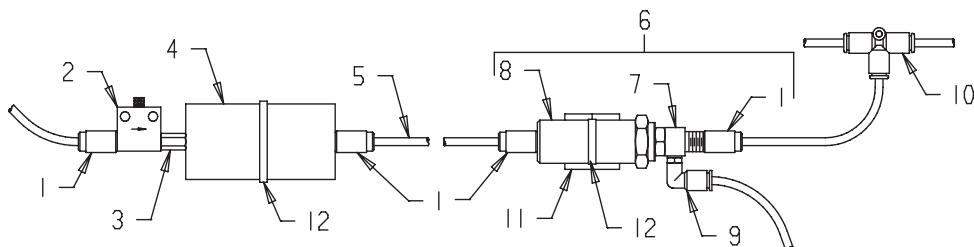
ITEM	PART NO.	DESCRIPTION	QTY. REQ. a/r=AS REQ.
	8515896	Kit, Valve, Milk Sweep	-
1	8515895	Valve, Pilot, 4-Way, Solenoid	1
2	1431240	Plug, Hex HD, Brass, 1/8	1
3	3554451	Conn, Swl, Elb, 5/32 OD x 1/8 NPT	2
4	-----	Literature 9E-705 (Installation & Operation Instructions)	a/r

Backflush Auto-Start Valve Assembly



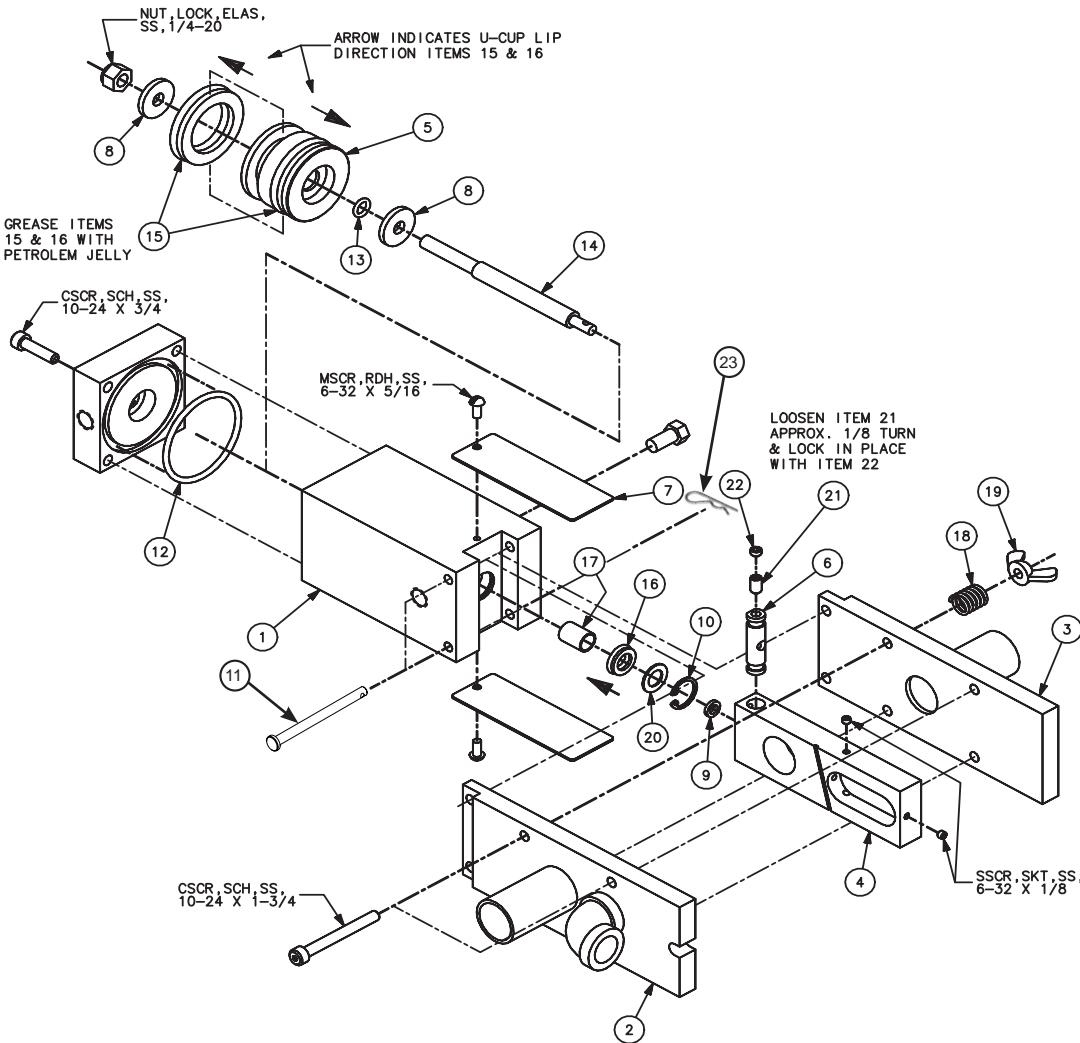
ITEM	PART NO.	⊗=OBSOLETE n/s=NOT SHOWN	DESCRIPTION	QTY. REQ. a/r=AS REQ.
	3554468	⊗	Valve Assy, Auto-Shut, Bf	-
1	8552280		Valve, 3-Way, Pushbutton	1
2	3554086		Conn, Push, 5/32 OD x 10-32	1
3	3554424		Conn, Swl, Elb, 5/32 OD x 10-32	1
4	3554525	⊗	Operator, Air Pilot, Snap	1
5	3554159		Conn, Push, 5/32 OD x 1/8 NPT	1
6	1979400		Rtnr, Misc, Sm Mount, Nylon	1
7	1979000		Rtnr, Cable Tie, 3.75 x .09	1
8	8507090		Conn, Push, Union Tee, 5/32	1
9	-----		Literature 9E-668 (Installation & Operation Instructions)	a/r

Group Backflush Time Delay Valve Assembly



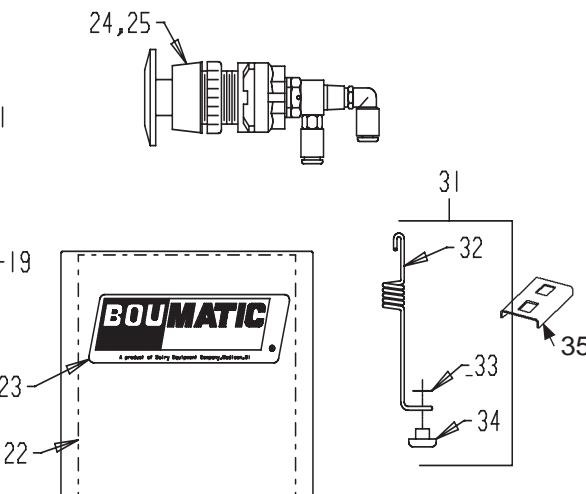
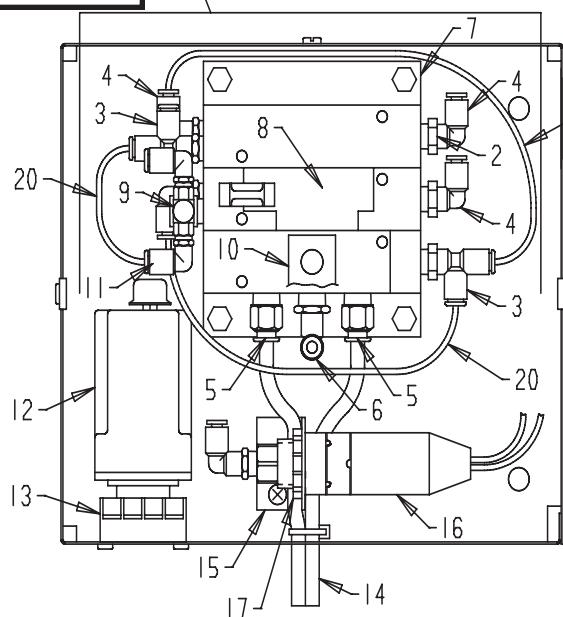
ITEM	PART NO.	⊗=OBSOLETE n/s=NOT SHOWN	DESCRIPTION	QTY. REQ. a/r=AS REQ.
	3554583	⊗	Valve Assy, Time Delay, GPBF	-
1	3554086		Conn, Push, 5/32 OD x 10-32	4
2	3554577	⊗	Control, Speed, Valve Assy	1
3	8552289	⊗	Nipple, Hex, Brs, 10-32	1
4	3554576	⊗	Chamber, Valve Assy, GPBF	1
5	3554439		Hose, Nyl, Blk, 5/32 OD x 100 Ft	a/r
6	3554582	⊗	Valve Assy, Pulse, 5/32 (Includes one each of items 7-9 & 2 of item 1)	1
7	8552280		Valve, 3-Way, Pushbutton	1
8	3554578	⊗	Operator, Air Pilot, 34ASR	1
9	3554424		Conn, Swl, Elb, 5/32 OD x 10-32	1
10	8507090		Conn, Push, Union Tee, 5/32	1
11	1979400		Rtnr, Misc, Sm Mount, Nylon	2
12	1979000		Rtnr, Cable Tie, 3.75 x .09	2
13	-----		Literature 9E-540 (Installation & Operation Instructions)	a/r

Backflush Valve Assembly 3/4

 SECTION D PAGE 139
 EFFECTIVE: 6/28/18


ITEM	PART NO.	⊗=OBSOLETE n/s=NOT SHOWN	DESCRIPTION	QTY. REQ.
				a/t=AS REQ.
-	8512600		Valve Assy, Backflush, 3/4	-
1	8511439		Body,Cylinder,B/F Valve	1
2	8512601		Nipple Assy,B/F,Chem.,Machined	1
3	8511426		Nipple Assy,B/F,Milk,Machined	1
4	8511433		Body,Slide,B/F Valve,3/4	1
5	8511437		Piston,Cylinder,B/F Valve	1
6	8511434		Pin,Slide,B/F Valve	1
7	8511441		Cover,Side,B/F Valve	2
8	8511438		Washer,Rod,1/4 ID X 3/4 OD	2
9	8511435		Washer,Rod,3/16 ID X 3/8 Od	1
10	8511443		Ring,Retaining,SS,INTL,.562	1
11	8511452	⊗	Pin,Hitch,SS,3/16 X 2.00 PIN,3/16 x 2.5 SS	2
12	8511458		O-ring,1.612 X .103	1
13	8500726		O-ring, .239 X .070,Buna -N	1
14	8511436		Rod,Piston	1
15	8511454		U-cup, Packing, 1.00 ID X 1.464 OD	2
16	8511453		U-cup, Packing, .336 ID X .536 OD	1
17	8511459		Sleeve, Plastic, .375 OD X .318 OD	1
18	8511460		Spring, Compr, .420-.055 .50	4
19	1206379	⊗	Nut, Wing, SS,10-24	4
20	8511469		Washer,.33 ID X .562 OD X .030,SS	1
21	1015216		SSCR,SKT,SS,10-32 X 3/8	1
22	1019641		SSCR,SKT,SS,10-32 X 1/8	1
23	8592900		RING, RETAINING, PIN	2

Claw Drop Control Assemblies (Manual & Auto)



COVER DETAIL
(SHOWN HALF SCALE)

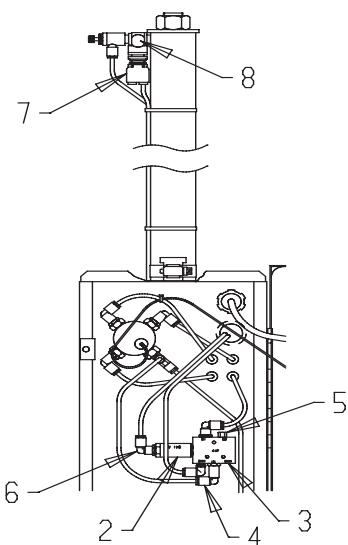
ITEM	PART NO.	DESCRIPTION	QTY. REQ. a/r=AS REQ.
	8507254	Control Assy, Claw Drop, Manual	254
	8507242	Control Assy, Claw Drop, Auto (shown)	242
1	8507253	Manifold, 2-Station (Includes items 2 thru 8)	1 -
	8507240	Manifold, 3-Station (Includes items 2 thru 11)	- 1
2	1431240	Plug, Hex Hd, Brass, 1/8	3 2
3	3554331	Conn, Push, Tee, 5/32 x 1/8 NPT	2 1
4	3554451	Conn, Swl, Elb, 5/32 OD x 1/8 NPT	5 5
5	8507100	Conn, Push, 1/4 x 1/4 NPT	2 2
6	8507015	Conn, Swl, Elb, 5/32 OD x 1/4 NPT	1 1
7	8553480	Bracket, Mtg, Manifold	2 2
8	8507233	Valve, 4-Way, 5 Port, 2 Pos	1 1
9	8507053	Valve, Shuttle, 10-32	- 1
10	8507241	Valve, Pilot, 3-Way, Solenoid	- 1
11	3554424	Conn, Swl, Elb, 5/32 OD x 10-32	- 2
12	8507239	Timer, Programmable, Delay Relay	- 1
13	8507238	Terminal, Socket, 8-Pin	- 1
14	8519183	Tube, Nylon, .25 x .035	a/r a/r
	3560897	Hose, Nylon, Natural, 1/4 OD	a/r a/r
15	8507243	Bracket, Switch	- 1
16	3555741	Switch, Pneumatic	- 1
17	8513814	Nut, Lock, Conduit, 1/2 NPT	- 1
18	8518844	n/s Plate, Legend, Up	1 1
19	3551200	Nut, Speed, #8	2 2
20	3554439	Hose, Nyl, Blk, 5/32 OD x 100Ft	a/r a/r

ITEM	PART NO.	DESCRIPTION	QTY. REQ. a/r a/r
21	3554174	Hose, Nyl, Red, 5/32 OD x 100Ft	a/r a/r
	8507256	Label, Air Logic Diagram	- 1
22	8507251	Label, Air Logic, Wiring Diag	1 -
23	8506120	Label, Bou-Matic, 2.25 x 6	1 1
24	8511420	Valve Assy, Pushbutton, Blk (Parts on page F-54)	1 1
	8518221	Valve Assy, Pushbutton, 4-Color	1 1
25	8511419	Valve Assy, Pushbutton, Grn (Parts on page F-54)	1 -
26	8507088	n/s Conn, Push, Union, Y, 5/32	2 2
27	3554159	n/s Conn, Push, 5/32 OD x 1/8 NPT	1 1
28	8518845	n/s Plate, Legend, Down	1 -
29	-----	Literature 9P-611 (Detacher Retrofit & Operating Instructions)	a/r a/r
30	8507258	Kit, Claw Drop, 2-Group (Includes items 8, 18, 24 & 27)	a/r a/r
31	8500899 ¹	Kit, Drop-Down Guide (Includes items 32 thru 35)	a/r a/r
32	8509257	Guide, Drop-Down	1 1
33	3551909	Ring, Retaining, Push-on, Ext., .75	1 1
34	3554396	Bushing, Chain Guide	1 1
35	8509258	Clip, .19 x .81 x 1.50	1 1

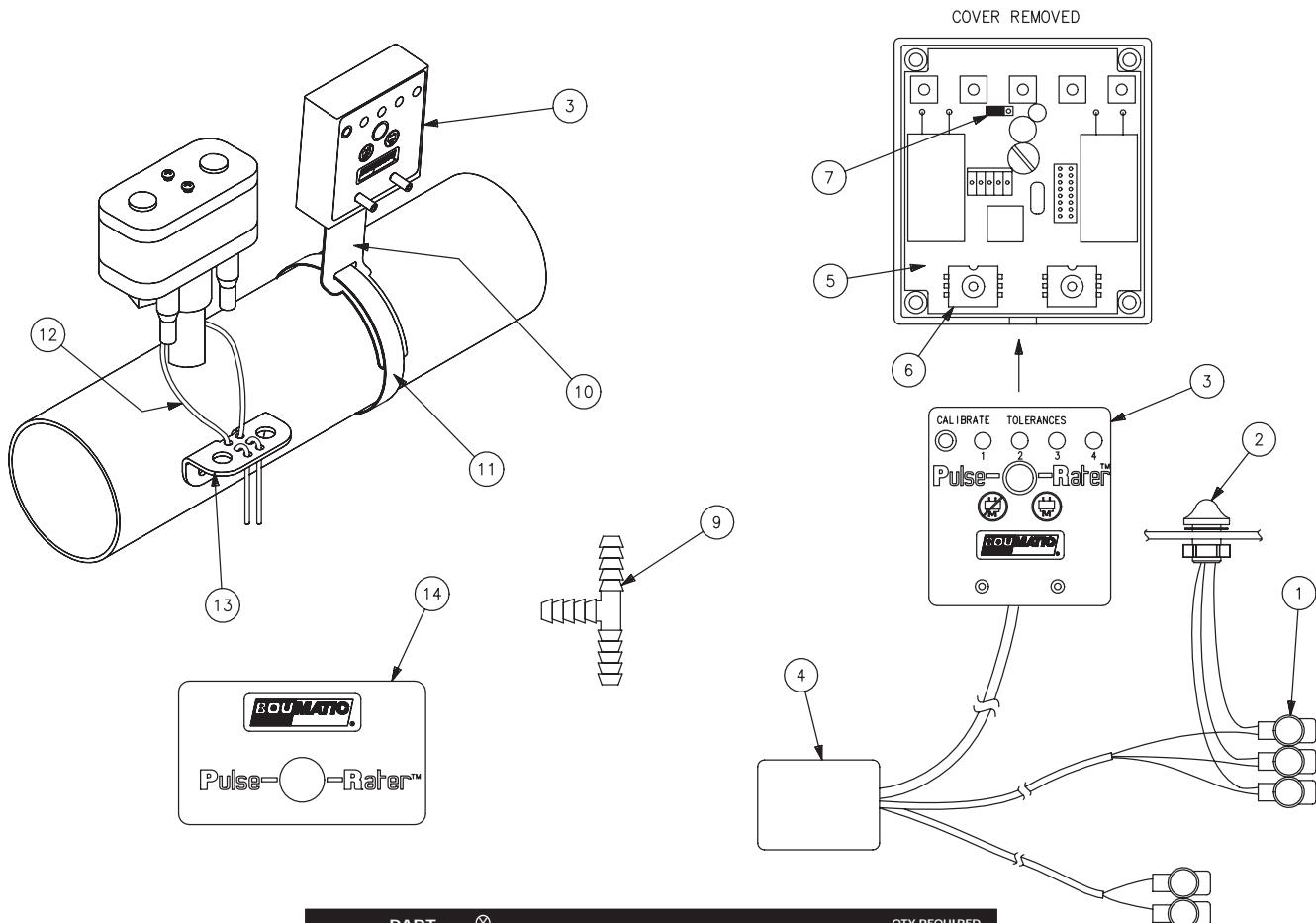
Note:

1. Drop-down guide kit not included with claw drop control assemblies.

Claw Drop Kit



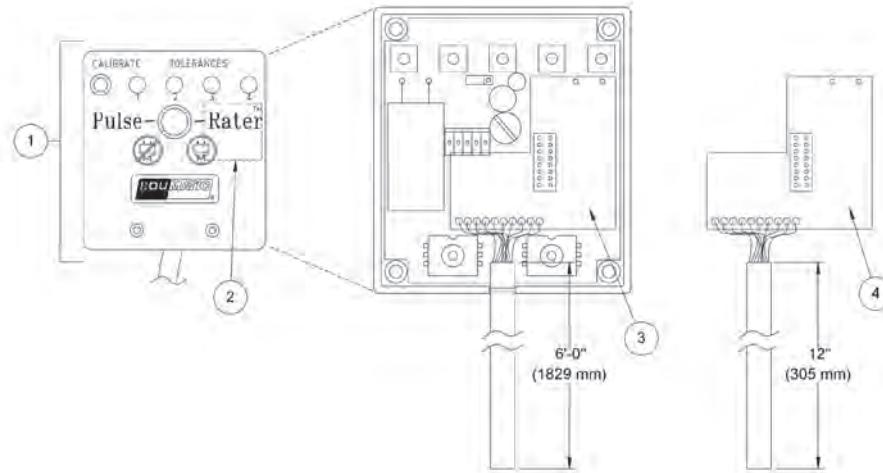
ITEM	PART NO.	DESCRIPTION	QTY. REQ. a/r=AS REQ.
	8507252	Kit, Claw, Drop	-
1	8507250	Valve Assy, Claw Drop (Includes items 2 thru 6)	1
2	3554332	Operator, Air Pilot	1
3	8507235	Valve, 4-Way, Pushbutton	1
4	3554451	Conn, Swl, Elb, 5/32 OD x 1/8 NPT	3
5	1431240	Plug, Hex Hd, Brass, 1/8	1
6	3554424	Conn, Swl, Elb, 5/32 OD x 10-32	1
7	8507248	Sensor, Threshold, Plug-In, 5/32	1
8	8507249	Socket, Banjo, 1/8	1
9	8507090	n/s Conn, Push, Union Tee, 5/32	1



ITEM	PART NO.	DESCRIPTION	QTY REQUIRED (a/r=AS REQUIRED)
	3558214	⊗ Pulse-O-Rater™	214
	3558218	⊗ Pulse-O-Rater™ W/Remote	218
1	3554292	Connector, Communication	- 3
2	3558294	LED, Indicator Assy, Pulse-O-Rater	- 1
3	3558221	Cover, Pulse-O-Rater, w/Label	1 1
4	3558295	⊗ Adapter, Indicator, Remote	- 1
5	3558234	⊗ PWB Assy, w/o Sensors, Pulse-O-Rater	1 1
5	3658234	⊗ *PWB Assy, w/o sensors, Pulse-O-Rater	1 1
6	3558227	⊗ Sensor, Vac, Pulse-O-Rater (Pkg of 2)	1 1
6	3558980	Kit, Vacuum Sensor (Pkg of 2)	1 1
7	3558233	⊗ Wire Assy, Voltage jumper,P-O-R	1 1
8	-----		
9	3553791	Tee, Nyl, 3/8 x 3/8 x 3/8	1 1
10	3558291	⊗ Bracket, Mount, Pulse-O-Rater	1 1
11	8500856	Clamp, Hose, SS, #64	1 1
12	3558408	⊗ Cable, SS, Nylon Jacket	1 1
13	3558406	⊗ Retainer, Tee, Pulsator	1 1
14	3558292	⊗ Label, remote, Pulse-O-Rater	- 1
15	3558231	Indicator, Remote, Pulse-O-Rater™ (Includes items 1, 2, 4, 10, 11, & 14)	- 1
16	-----	Literature 9E-813 (Installation, Operation & Maintenance)	ref ref

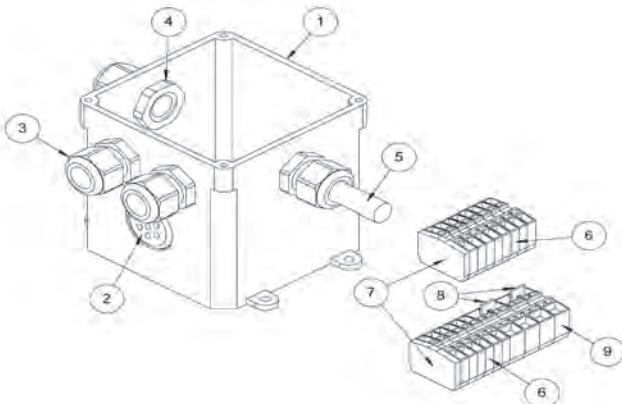
PulseMetrix Assembly, New Install and Upgrade Kit

ITEM	PART NO.	DESCRIPTION	QTY. REQ.
	3558795	PulseMetrix Assy, New Install	795
	3558759	Pwb Assy, PulseMetrix	759
1	3558214	Pulse-O-Rater (Parts on Page D-141)	1 -
2	3558796	Spacer, Foam	1 -
3	3558759	Pwb Assy, PulseMetrix	1 1
4	3558794	Pwb Assy, PulseMetrix, Milk/Wash	- -



Enclosure Assembly, PulseMetrix

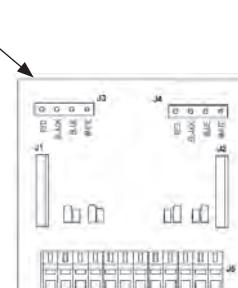
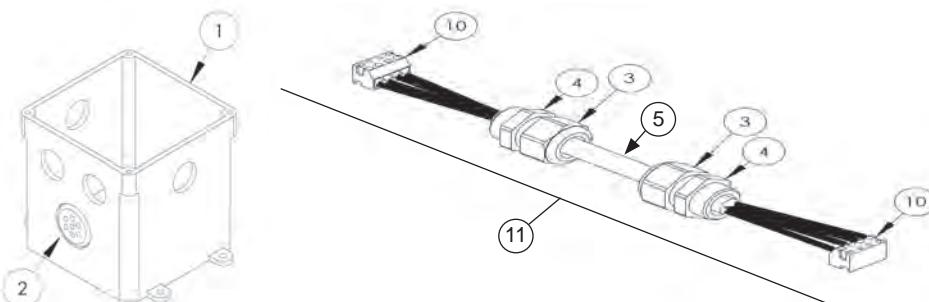
Earlier Version



ITEM	PART NO.	DESCRIPTION	QTY. REQ.
	3558774	Enclosure Assy, PulseMetrix	-
1	3558762	Enclosure, Modified	1
2	3556157	Grommet, Multiple, 5/32	1
3	1917532 ¹	Conn, Str-Rlf, 0.27-0.46, 1/2 NPT	4
4	1917551	Connector, Dome, Nut, 1/2 NPT	4
5	1997534 ¹	Cable, 4-Cond, 18/16 GA, Gray	a/r
6	1917673 ¹	Connector, Term Block, 2-Pos	14
7	1915608 ¹	Conn, Term Blk, End Plate	2
8	1915607 ¹	Con, Term Blk, 2-Pos, Jumper	2
9	1917673 ¹	Connector, Term Block, 4-Pos	4
10	1917632 ¹	Connector, Term Strip, 4-Pos	2
11	3558970 ¹	Cable Assy, PulseMetrix, Pwb/Comm	1
12	3558935 ¹	n/s Pwb Assy, Connection, PulseMetrix	1

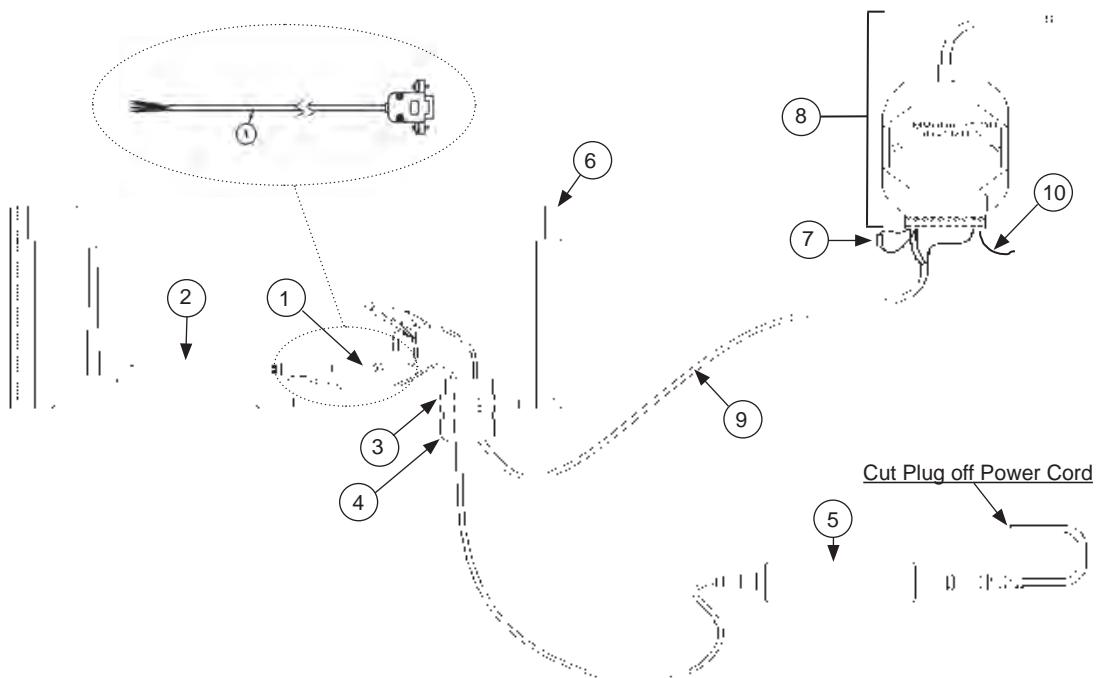
Note:
1. Items not included in Enclosure Assembly, PulseMetrix - 3558774.

Current Version



Kit, RF Modem, Enclosure

SECTION D	PAGE 143
EFFECTIVE: 1/30/06	



ITEM	PART NO.	DESCRIPTION	QTY. REQ. a/r=AS REQ.
3558853		Kit, RF Modem, Enclosure	-
1	3558847	Cable Assy, RF Modem	1
2	3558849	Modem, RF, 232/485, 38.4K	1
3	1917551	Connector, Dome, Nut, 1/2" NPT	1
4	1917532	Conn, Str-Rif, .27 -.46, 1/2" NPT	1
5	3558848	Transformer, 100-240V, 9V DC/1.3A	1
6	3558846	Enclosure, RF Modem	1
7	3557453 ¹	Termination, Resistor, PRISM	1
8	3558928 ¹	Converter, USB-PRISM/RS-232	1
9	3558754 ¹	Cable, 2-Cond, 18GA, Blu/Wht, 500'	a/r
	3558755 ¹	Cable, 2-Cond, 18GA, Blu/Wht, 1000'	a/r
10	3558930 ¹	Wire Assy, Communication Conv	1
11	-----	Lit. 9E-869 (Installation Instructions)	a/r

Note:

1.Items not included in Kit, RF Modem (3558853).

PulseMetrix Kits

ITEM	PART NO.	DESCRIPTION	QTY REQUIRED (a/r-as required)	Upgrade Kits
-	3558797	Kit, PulseMetrix, 2 x 6	797	3558819 - 2 x 6
-	3558798	Kit, PulseMetrix, 2 x 8	798	3558820 - 2 x 8
-	3558799	Kit, PulseMetrix, 2 x 10	799	3558821 - 2 x 10
-	3558800	Kit, PulseMetrix, 2 x 12	800	3558822 - 2 x 12
-	3558801	Kit, PulseMetrix, 2 x 16	801	3558823 - 2 x 16
-	3558802	Kit, PulseMetrix, 2 x 18	802	3558824 - 2 x 18
-	3558803	Kit, PulseMetrix, 2 x 20	803	3558825 - 2 x 20
-	3558804	Kit, PulseMetrix, 2 x 22	804	3558826 - 2 x 22
-	3558805	Kit, PulseMetrix, 2 x 24	805	3558827 - 2 x 24
-	3558806	Kit, PulseMetrix, 2 x 25	806	3558828 - 2 x 25
-	3558807	Kit, PulseMetrix, 2 x 30	807	3558829 - 2 x 30
-	3558808	Kit, PulseMetrix, 2 x 32	808	3558830 - 2 x 32
-	3558809	Kit, PulseMetrix, 2 x 35	809	3558831 - 2 x 35
-	3558810	Kit, PulseMetrix, 2 x 40	810	3558832 - 2 x 40
-	3558811	Kit, PulseMetrix, 2 x 45	811	3558833 - 2 x 45
-	3558812	Kit, PulseMetrix, 2 x 50	812	3558834 - 2 x 50
-	3558813	Kit, PulseMetrix, 30 PT Rotary	813	3558835 - 30 PT
-	3558814	Kit, PulseMetrix, 40 PT Rotary	814	3558836 - 40 PT
-	3558815	Kit, PulseMetrix, 50 PT Rotary	815	3558837 - 50 PT
-	3558816	Kit, PulseMetrix, 60 PT Rotary	816	3558838 - 60 PT
-	3558817	Kit, PulseMetrix, 72 PT Rotary	817	3558839 - 72 PT
-	3558818	Kit, PulseMetrix, 80 PT Rotary	818	3558840 - 80 PT
-	0091046	Sftwr/PulseMetrix	1	
-	3558928	Converter, USB-PRISM/R232	1	
-	3558774	Endlosure Assy, PulseMetrix (Parts on Page D-142)	7	
-	3558795	Power Assy, New Install (Upgrade Kit Only) (Parts on Page D-142)	12	
-	3558759	Pwb Assy, PulseMetrix (Upgrade Kit Only) (Parts on Page D-142)	12	
-	3557976	n/s Power Supply, 24VDC, 4.0A, Din	1	
-	3558683	n/s Plate Assy, Power Supply	1	
-	3558684	n/s Endlosure, Hinged, 10 x 8 x 6	1	
-	3558794	n/s Pwb Assy, PulseMetrix, Milk / Wash	1	
-	3558231	Indicator, Remote, Pulse-O-Rater (Parts on Page D-141)	13	
-	3558291	Bracket, MIG, Pulse-O-Rater (Part on page D-141)	12	
-	8500856	n/s Clamp, Hose, #64	12	
-	4015914	n/s Switch, Toggle, 3PDT	1	
-	8505764	n/s Terminal, Female, 16-14, 1/4, Full	3	
-	3558935	Pwb Assy, Connector, PulseMetrix	7	
-	3558970	Cable Assy, PulseMetrix, Pwi/Comm Connector, Terminal Strip, 4-Position	2	
-	1917632	n/s Converter Wire Kit, Communication	1	
-	3558929	Transformer, 100-240V, 9 VDC / 1.3A	-	
-	3558847	Cable Assy, RF Modem	-	
-	3558846	Enclosure, RF Modem Modem, RF 232/485, 38,4K	-	
-	1917532	Conn, Sif-Rif, .27 - .46, 1/2 NPT	-	
-	1917551	Connector, Dome, Nut, 1/2 NPT	-	
-	3558796	Spacer, Foam (Upgrade Kit Only) (Part on Page D-141)	12	
-	-----	Literature IE-865 (Installation Instructions)	-	

Note:
1. In the Upgrade Kits, 3558795 is replaced with 3558759, and 3558796 is included.

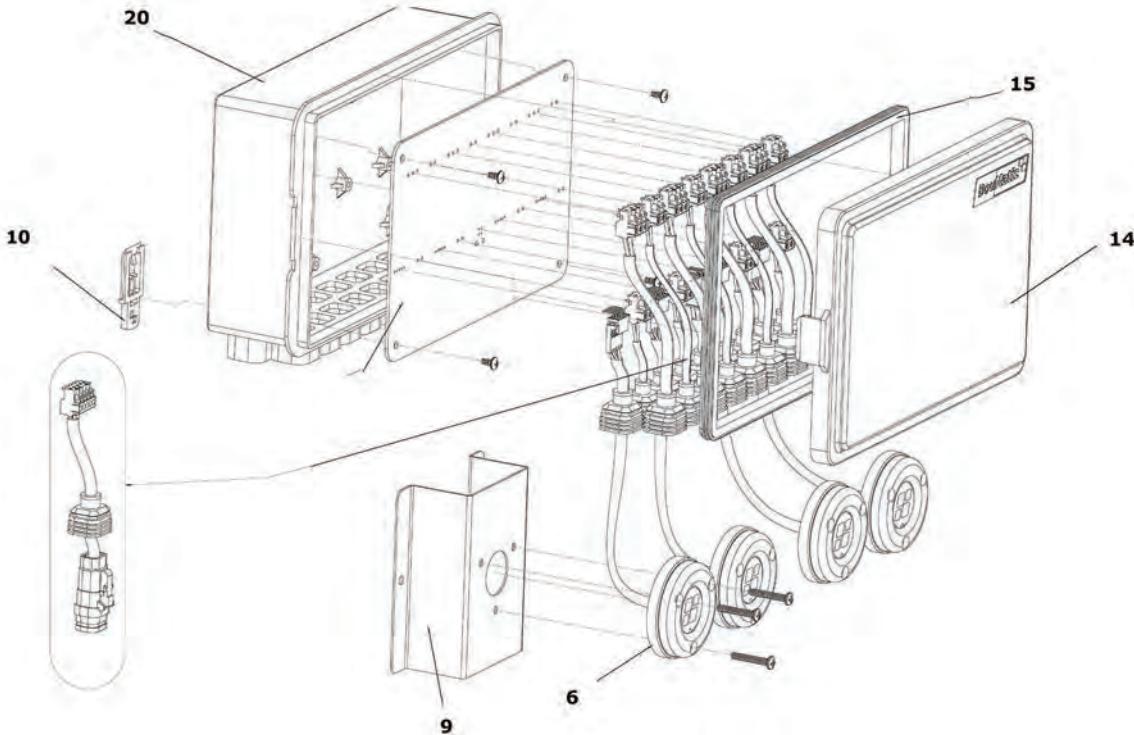
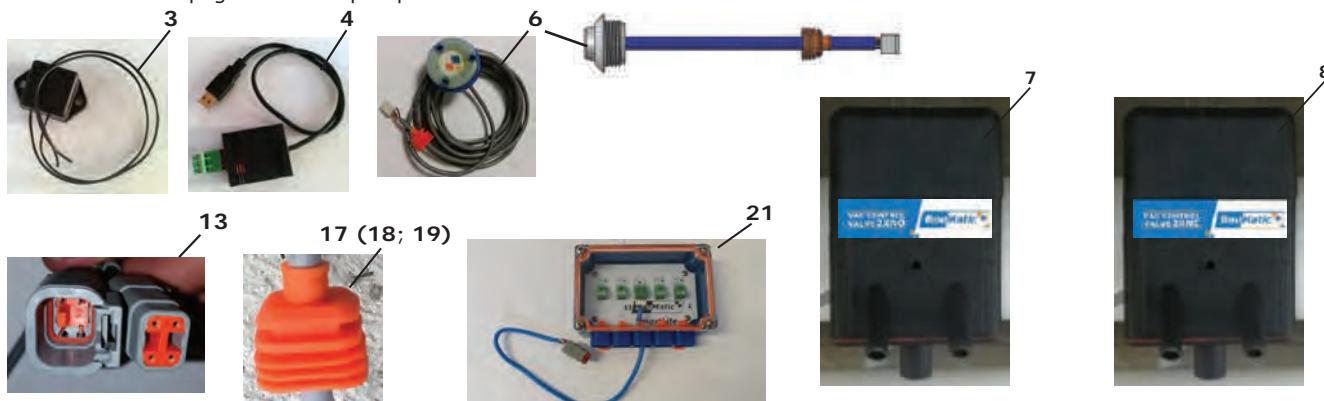
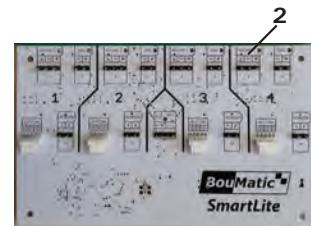
SmartLite Control Box

SECTION D	PAGE 145
EFFECTIVE: 4/23/19	

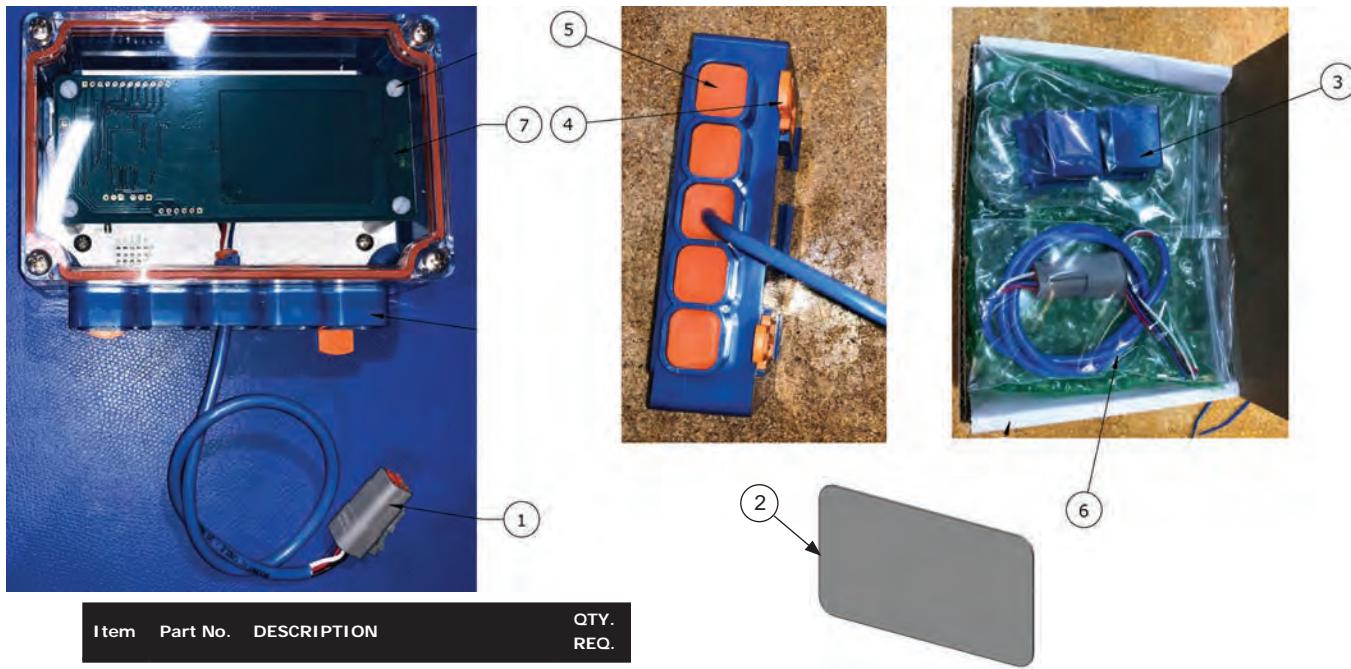
ITEM	PART NO.	⊗=OBSOLETE n/s=NOT SHOWN	DESCRIPTION	QTY. REQ.
8591439			BOX, CONTROL, SMARTLITE	-
1	8591409		SMARTLITE CONTROL ENCLOSURE	a/r
2	8591410		SMARTLITE ELECTR. BOARD ASSY	a/r
3	3562475		TERM, PULSE MD, NTWRK	a/r
4	8591426		USB-CAN ADAPTER	a/r
5	8591425	n/s	ETHERNET-CAN (4 CAN NETWORKS)	a/r
6	8591438	⊗	BUTTON, MULTICOLOR, SMARTLITE (Replaced by 8592835)	a/r
	8592835		SMARTLITE BTN KIT, PANEL MOUNT	a/r
7	8591559 ¹		VALVE, CONTROL, SMARTLITE, 2X NC	a/r
8	8591560 ¹		VALVE, CONTROL, SMARTLITE, 2X NO	a/r
9	8591437	n/s	BRACKET, SMARTLITE BUTTON	a/r
10	8591408		ENCLOSURE DIN CLIP	a/r
11	8591407	n/s	LIGHT PLUG CON. 5/3.5MM, 4/BOX	a/r
12	8591406	n/s	CONTROL VALVES PLUG CON 3/5MM	a/r
13	8591405		POWER/NETWORK CON. 4/3.5MM	a/r
14	8591398	n/s	SMARTLITE LID CONTROL	a/r
15	8591397		SMARTLITE GASKET CONTROL BOX	a/r
16	8591396	n/s	CLICKIN PUSHOUT PLUG, BLIND	a/r
17	8591395		CLICKIN PUSHOUT PLUG, 4MM	a/r
18	8591393		CLICKIN PUSHOUT PLUG, 5MM	a/r
19	8591394		CLICKIN PUSHOUT PLUG, 6MM	a/r
20	8591391	n/s	ENCLOSURE, BASE	a/r
21	8591563 ²		I4 BOX	a/r

1. See page D146 for repair parts.

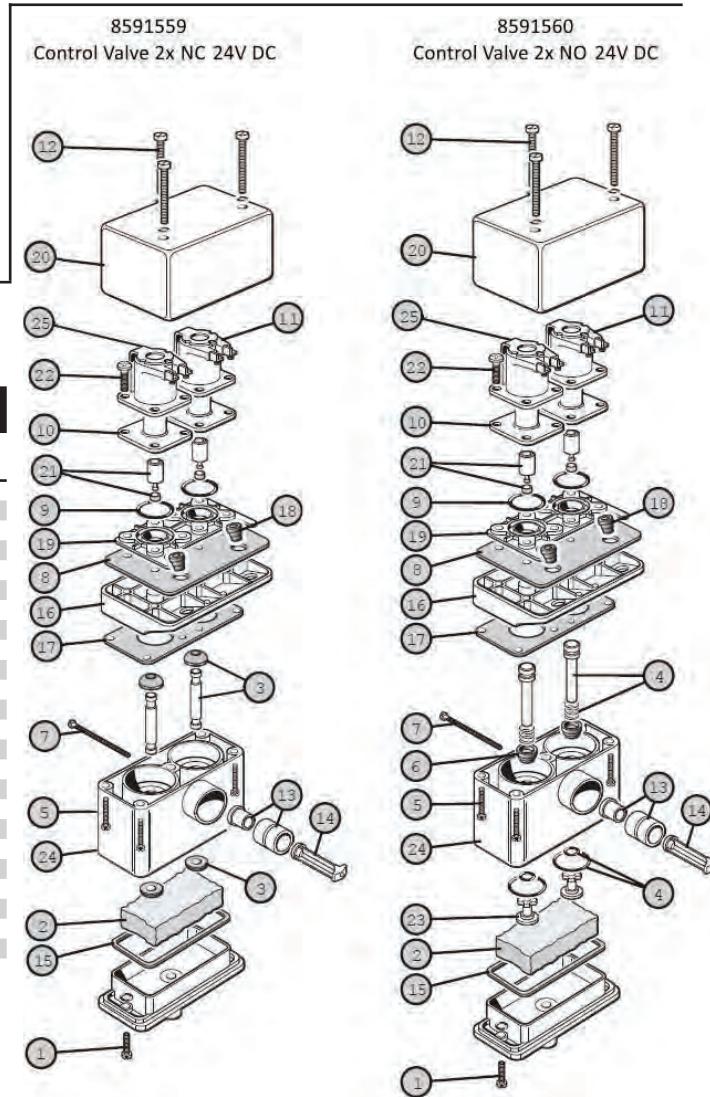
2. See page C57 for repair parts.



Stall Identifier for SmartLite



Item	Part No.	DESCRIPTION	QTY. REQ.
-	3563359	IDENTIFIER,STALL,NFC	-
1	3562836	Harness, NET POWER , SmartLite	1
2	3563360	IDENTIFIER, CARD	a/r
3	8592061	BLUE DIN BRACKET	2
4	8591408	ENCLOSURE DIN CLIP	2
5	8591396	CLICKIN PUSHOUT PLUG, BLIND	4
6	3562835	T-Drop, PMD, Sub-assy	1
6	3563391	PCBA,IDENTIFIER,STALL	1



Control Valve for SmartLite

ITEM	PART NO.	DESCRIPTION	QTY. REQ. a/r AS REQ.
	8591559	Control Valve 2x NC 24V DC	1559
	8591560	Control Valve 2x NO 24V DC	1560
1	D200702	SCREW. PAN POZI ST. STEEL M3 x 20	2 2
2	D390628	FILTER	1 1
3	D255654	DIAPHRAGM PACK. "C".	1 -
4	D255656	DIAPHRAGM PACK. "O"	- 1
5	D200780	SCREW. PAN POZI ST. STEEL M3 x 25	4 4
6	D327741	UPPER SEAT	- 2
7	D200749	SCREW. M4 x 40	1 1
8	D391531	GASKET	1 1
9	D242702	O RING	2 2
10	D385537x6	CHIMNEY ASSEMBLY PACK. (x6)	a/r a/r
11	3559256	COIL, 24VDC	2 2
12	D200781	SCREW. PAN POZI ST. STEEL M3 x 45	3 3
13	D255660	PIPELINE SEAL AND SUPPORT PACK. (x5)	a/r a/r
14	D385646	PIPELINE CLAMP	1 1
15	D385685	GASKET	1 1
16	D494171	CLAMP PLATE	1 1
17	D385659	DIAPHRAGM	1 1
18	D381737	GROMMET	2 2
19	D385604	SOLENOID MOUNTING PLATE	1 1
20	D385602	COVER	1 1
21	D255682	SHUTTLE AND SEAL PACK. (x6)	a/r a/r
22	D200746x24	SCREW PACK. M4 x 16. (x24)	a/r a/r
23	D327742	LOWER SEAT	- 2
24	D494153	BODY	1 1
25	D262514	SOLENOID BRACKET	2 2

DC Power Supply, 240W, 24V

SECTION D	PAGE 147
EFFECTIVE: 10/20/20	



Item	Part No.	Description	QTY. REQ.
-	3562478	DC POWER SUPPLY, 240W,24V	-
1	3563065	ENCLOSURE,CLR,11.28X7.47X5.5	1
2	3563066	POWER SUPPLY,240W,24V,10A,HAZ	1
3	3563067	TERMINAL BLOCK,END STOP,DIN	3
4	3563068	TERMINAL BLOCK,F/T,BLACK,DIN	1
5	3563069	TERMINAL BLOCK,F/T,RED,DIN	1
6	3563070	TERMINAL BLOCK,GND.65A 600V	1
7	3563071	CIRCUIT BREAKER,16A,2-POLE	1
8	3563074	CONN,STR-RLF,LIQT,3CORD,.16-.2	1
9	3563075	CONN,STR-RLF,LIQT,2CRD,.27-.31	1